

SIXTY-FOURTH ANNUAL REPORT
of the BOARD OF TRUSTEES *of the*

OHIO STATE UNIVERSITY

TO THE GOVERNOR OF OHIO

FOR THE YEAR ENDING
JUNE 30, 1934

MCMXXXIV
THE OHIO STATE UNIVERSITY
COLUMBUS, OHIO

THE OHIO STATE UNIVERSITY

HONORABLE GEORGE WHITE,
Governor of Ohio,
Columbus, Ohio.

MY DEAR SIR:

I have the honor to present to you the annual report of the Board of Trustees of the Ohio State University for the year ending June 30, 1934, as required by law.

Yours very truly,

NEWTON D. BAKER,
Chairman Board of Trustees.

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ANNUAL REPORT OF THE PRESIDENT

HONORABLE NEWTON D. BAKER
Chairman of the Board of Trustees
The Ohio State University

DEAR SIR:

I have the honor to present through you to the Board of Trustees of The Ohio State University for transmission to the Governor of Ohio, as required by law, the Sixty-fourth Annual Report of The Ohio State University for the year ending June 30, 1934.

NECROLOGY

Death was unsparing in its invasion of the faculty ranks during the year, removing some of the most eminent members of the teaching and administrative staff. Such are the people who have built the University, who have developed the spirit, and who are most truly responsible for what the University has become. Their service was long and devoted, and a permanent record, although necessarily somewhat brief, in the University annals, is hereby appreciatively made.

Albert M. Bleile, professor of Physiology, and for many years chairman of that department, died on August 17, 1933. The department is in the College of Medicine and for many years Doctor Bleile taught both medical students and general University students. His teaching was marked by careful lecturing and a degree of friendly humor, and a thorough understanding of the student, which made his courses famous. He was a member of the University staff for more than forty years and presided over the development of the Department of Physiology from a small organization to one of the largest of the College of Medicine. He continued his active work up to three years ago, when because of physical affliction he became an Emeritus Professor of Physiology. Notwithstanding he came every day to his office in the department and was always ready to give counsel or to give help to students and remained there the familiar figure he had been for long years.

Francis L. Landacre, professor of Anatomy and chairman of that department, died August 23, 1933. He was a graduate of this University, did his graduate work at the University of Chicago, and for a number of years was a member of the staff of the Department of Zoology. He developed in a remarkable way research work on certain phases of the nervous system, and his name is scientifically linked with that development. For more than twenty years he had been chairman of the Department of Anatomy in the College of Medicine. He regarded anatomy not only as a tool of the physician but as a fundamental science and the work of the department was organized to present the subject in this fundamental way to the students. He was not only a teacher but a careful and frequent producer in that field and had a high reputation both as a research worker and student and was ranked with the men eminent both in anatomy and in zoology. He believed that a student should

do thorough work and he required the greatest care and precision. He was animated always by the highest scientific and education ideals and brought to his teaching a singularly well-trained mind and highly developed appreciation of scientific procedure.

Matthew B. Hammond, professor of Economics and for some years chairman of the department, died on September 28, 1933. His death came almost without warning, when he was going forward with his study and writing and was engaged in planning for the completion of a work he had long had in hand. He was a member of the University faculty for more than twenty-five years, and although he covered many phases of the field of economics, yet he was most devoted to the field of labor and the problems related thereto.

In addition to his teaching he was frequently called upon for public service and was a member of the first Board of Industrial Relations in the state of Ohio. He was also in the service of the United States, connected with the administration of labor during the war. He was also engaged as statistician and counselor in the great anthracite coal trouble in 1920. In a year of absence from the University he made a trip to Australia and New Zealand particularly with the idea of making a study on the ground of their labor legislations. He devoted considerable time, however, to other economic fields and made a very interesting study of the decisions of the Inter-State Commerce Commission in the first twenty-five years of its existence in order to come at the general theory of its powers disclosed by these decisions.

His chief field of collateral study however was in the cotton industry and over a great many years he collected data, made investigations, and wrote extensively on the development of this great business in the United States. This is the work which he was striving to bring to completion at the time of his death. Fortunately his development of the subject and his accumulation of material and his manner of organizing the project were so clearly apparent that others are now planning to go on and complete it. It is regarded as a classic study of the cotton industry, which for long years practically swayed the political fortunes of the United States.

Ernest Scott, professor of Pathology and head of that department, died on March 6, 1934. Doctor Scott was a graduate of the University, and studied in various universities abroad preparing himself thoroughly for work in the wide field of pathology. He was the chairman of that department for many years and achieved a notable reputation as a student, teacher and demonstrator in this field. His sincerity, recognized ability, and geniality made him a great force in the College of Medicine, and he constantly strove to develop there a spirit of inter-departmental interest and association, and in this he was very successful. Everyone knew when he made a proposal that it was genuine and carried its purpose on its face, for integrity was one of his shining characteristics. He labored strenuously in the development of the College of Medicine as a whole and believed that it had a much larger place in the public welfare of the commonwealth than it had yet attained and he was very vigorous in his championship of its growth and improvement.

The last few months before he died he was absorbed, along with all members of the faculty of the College of Medicine, in the preparation of a stimulating program of exercises for the hundredth anniversary of the founding of the College of Medicine; the work of correspondence, of publicity, of arrangement of exhibits, and of the general preparations for this notable event in the history of the University, practically exhausted his strength.

His zeal was so great that he did not appreciate his physical condition. The celebration closed Saturday; on the following Monday he had the keenest delight in showing some of the administrative officers through the exhibits and the various other evidences of the centenary observance, and appeared in excellent spirits. But on Monday evening he retired at his home, rather tired as he said, and never wakened. Astonishing and incredible it seemed when announcement was made the next morning. He had spent himself in achieving success for this celebration and died at the climax of the joy and satisfaction which came to him from the enthusiasm and new spirit of comradeship of the faculty, the medical graduates and the University. It was indeed a University event of rare importance and carried the College of Medicine far forward in public estimation.

The College of Medicine in an appropriate commemorative gathering in the Spring Quarter paid tributes of appreciation to Doctor Bleile, Professor Landacre, and Doctor Scott. The College of Commerce in a like commemorative assembly in the Autumn Quarter, memorialized the devoted service and moving spirit of Professor Hammond.

PRESIDENT EMERITUS WILLIAM OXLEY THOMPSON

President Thompson withdrew from the service of the University on November 5, 1925, and it is a matter of great sadness that we must here chronicle his death on December 9, 1933. After leaving the service of the University, he had charge of the Community Chest Campaign in Columbus for several weeks and then went to Denver where he was in charge of a Presbyterian church for some months. Thereafter he was busy with the general work of the Presbyterian church and was elected Moderator of the Presbyterian General Assembly of the United States of America and administered the affairs of that high office for the following year. In a representative capacity he attended an International Congress of Churches in Europe and upon his return was at once "drafted" by various important civic enterprises in Columbus and by various business organizations for all types of service which his long career had rendered him conspicuously able to perform. He was the best-known and the best-loved of the citizens of the city at the time of his death, and never declined a call to public service, always of a gratuitous nature on his part, so long as his physical ability was equal to the task. Indeed he overtaxed his physical capacity in the last two years; but since service and life were synonymous to him, he never failed to respond when the call came. The total of his contribution to the general welfare of the city of Columbus can never be told.

His long and highly constructive service to the University has been told at great length on other occasions, and appreciative testimonials were made at the funeral on December 11, 1933, held in the Indianola Presbyterian Church. Reverend Lewis S. Mudge, Stated Secretary of the Presbyterian General Assembly of the United States of America, gave a stimulating appraisal of Doctor Thompson's career and qualities of character and personality. Reverend Robert R. Reed of the church made an appreciative review of Doctor Thompson's association with that congregation, and the Reverend J. Harry Cotton offered a memorial prayer. University faculty members, citizens, and selected representatives of all kinds of community interests were present in great numbers.

The faculty of the Ohio State University on February 8, 1934, heard with the deepest appreciation a glowing testimonial to the life and services of Presi-

dent Thompson presented by a faculty committee consisting of Professor Joseph A. Leighton, Professor Carl W. Gay, and Professor M. Blakemore Evans. Formal University commemorative exercises were held on Saturday, June 9, 1934 in the University Chapel, on the annual Alumni Day when large numbers of the graduates are gathered at the University in a reunion. The memorial program for that occasion had been prepared by a committee comprising members of the University faculty, the University administration, and the Alumni; It follows herewith:—

ORDER OF SERVICE

INVOCATION—Doctor Charles F. Wishart, President, The College of Wooster

PRESIDENT THOMPSON AND UNIVERSITY ADMINISTRATION—President George W. Rightmire

PRESIDENT THOMPSON AND THE ALUMNI—Mr. Lowry F. Sater, Ohio State University, 1895

PRESIDENT THOMPSON AND STATE EDUCATION—Doctor David Kinley, President Emeritus, The University of Illinois

PRESIDENT THOMPSON, CITIZEN AND COMMONER—Honorable Theodore Tangeman, Director of Commerce, State of Ohio

PRESIDENT THOMPSON, A PERSONAL TRIBUTE—Doctor W. H. Scott, Emeritus Professor and former President of The Ohio State University

BENEDICTION

A memorial booklet including the exercises of June 9th and a part of the exercises at the funeral is being prepared for the University under the supervision of Professor Thomas E. French. This book will contain also an etched portrait of President Thompson made by Walter Tittle.

Thus does the University pay tribute to the great character who for a period of more than twenty-six years devoted an abundant life to its development.

The memorial prepared by a committee of the University faculty will be of particular interest to the readers of this Annual Report and I am, therefore, printing it at this point.

FACULTY MEMORIAL TO DOCTOR W. O. THOMPSON

Doctor William Oxley Thompson was born November 5, 1855 at Cambridge, Ohio. He had to struggle for his education. After doing various kinds of work, from running errands to farming and teaching, he was graduated A.B. at Muskingum College in June, 1878. In 1881 he received the degree A.M. from Muskingum. In 1882 he was graduated from Western Theological Seminary, Allegheny, Pennsylvania, and became a Presbyterian missionary at Odebolt, Iowa. In 1885 he removed to Longmont, Colorado, and became president of the Synodical College. There he remained until 1891, when he became president of Miami University. In 1899 he became president of the Ohio State University. From this office he retired as President Emeritus in 1925. During his administration the attendance at Ohio State increased from 1268 to 11,535; the annual income from \$306,529.76 to \$6,129,292.46; the instructing staff from 113 to 697; the number of colleges in the University from 7 to 11; the number of degrees conferred annually from 137 to 1700.

During his administration, and after his retirement, Doctor Thompson was frequently called into important public services. We mention a few of these. In 1918 he was appointed, by President Woodrow Wilson, Chairman of the Agricultural Commission to Europe, to make a special study of food supplies for the Allies. In 1926 he was named General Moderator of the Presbyterian Church of the United States. In 1932 he was named Columbus Chairman

of the Compliance Board of the National Industrial Recovery Administration. On June 7, 1930, the heroic bronze statue of Doctor Thompson, a gift of the classes of 1923, 1925, 1926, and 1928, was unveiled on the campus in his presence. He was the recipient of honorary degrees from eleven colleges and universities. He died December 9, 1933, full of years and honors. Such is the bare outline of the life-career of the man who was undoubtedly for a quarter of a century the most outstanding educational leader of the State of Ohio, one of its best known and best beloved public characters, and one of the most eminent university presidents in America.

What was the source of Doctor Thompson's power and influence as a man, a citizen, an educational leader? The fountain head of this power and influence that made him a strong, noble, lovable man was the spirit of a great, democratic, loving personality. This spirit permeated, as it transcended, all his acts, utterances, and attitudes. In itself it is the mysterious and elusive quality which makes of a man a wonderful personality. It is the *spirit* in man. Doctor Thompson possessed it; he *was* this spirit in superlative degree. It is the "what is" (in the poet's words) that is the source of the "what knows" and the "what does."

It is our joyous privilege to put on record, as a token of our gratitude and reverence for this great soul, *how* this unique power of spirit was manifested in his daily talk and conversation with us, his faculty. We recognize that the enumeration of the qualities of a great man must always pale before the reality. Words are but symbols, shadowy marionettes, that portray only skeleton-like the living spirit. But they are our only vehicles for recording our gratitude and reverence.

The primary source of Doctor's Thompson's influence then was the ineluctable spirit of a noble personality. He was a man of great physical and mental vigor, but this vigor was always the servant of a loving heart and a tender conscience. Doctor Thompson loved all his fellow-men with a Christlike love. Moreover, the very heart of his religious, ethical, and social creed was his faith in the essential dignity of man. He shared to the full his Master's faith in the sacredness of every human soul. He was not interested in the technical questions disputed among theologians. He had no stomach for quarrels between modernist and fundamentalist. He drove straight through and clove with all his heart and mind to the essential value of Christ and Kant's principle, "Treat humanity always as an end and never merely as a means." It was a democratic faith in the value of man. Furthermore, Doctor Thompson held, as his whole life bears witness, to this corollary from his central faith in the value of man—that this essential dignity of man can be realized, enjoyed, and manifested only through education. Therefore, he gave his life to the cause of making accessible to all in this commonwealth who cared to avail themselves thereof, the instruments for the highest possible education. He shared fully the late President Angell's vision of the University as the center from which paths radiated to every home in the State. Doctor Thompson was thus a great educator. He educated the people of this state to see in this University the crown of a democratic, publicly supported educational system. In so doing, he removed the prejudices and hostility which had existed so widely up to his time against the University. He held and practiced, on every occasion, the principle that this University is not the rival of denominational or other privately supported or local institutions, but that its function is to supplement and aid them. In his relations to his faculty Doctor Thompson was always accessible

and sympathetic. He invariably defended his faculty from outside interference. He had a great tolerance and, even though men might teach views which he regarded as derogating from the central faith in man's essential dignity, he would not permit any interference with their freedom of teaching. During his administration no member of the instructing staff was ever removed or demoted or his promotion prevented, because of anything he taught. Ohio State University enjoyed under him complete freedom of teaching.

Doctor Thompson was interested in the larger issues of education. He did not care for the little things of tweedle-dum vs. tweedle-dee, which are often debated by professors; but he suffered them with good-humored patience. On any vital issue of policy, or the personality of teachers, his mind was open, alert, and quick to seize on the essential matter. He held that education consisted in the living contact of mind with mind and he never allowed red tape or technicalities to interfere with the vital interests of teaching, scholarship, or investigation. No man was ever freer from formalism than W. O. Thompson. He always supported his staff to the limit of his ability. To him the members of the faculty were not cogs in an educational machine, whose functions were to grind out results in the shape of graduates, articles, and books. They were a spiritual community of living persons cooperating in a great ministration of public service, that of contributing to the enlightenment and moral dignification of the citizens of the commonwealth.

In sum, then, Doctor Thompson was a wise, tolerant, loving, and sympathetic administrator, the friend of all his colleagues on the staff. This is the explanation of the fine spirit of freedom, cooperation, and fellowship that flourished on this campus under his régime. May we cherish it. This is the best tribute we can pay to his memory.

In his relations to the people of the state at large, and in particular to the other educational institutions therein, Doctor Thompson was precisely the right man in the right place. By his endeavors and his attitude, the University came to be recognized, through its services, as the crown of the system of public education. Our constant prayer and resolve should be to keep it in this place by devotion to the intellectual and spiritual interests of the entire people. Only thus shall we be loyal to the memory of a great leader, a noble democratic humanist.

FACULTY MEMBERS TAKE LEAVE OF ABSENCE FOR PUBLIC SERVICE IN EMERGENCY

From the College of Agriculture, Professor Carl R. Arnold was given leave of absence to work with the Farm Credit Administration in Washington, D. C.; Professor R. C. Smith, for special work in Tobacco Control Campaign in the Miami Valley, Ohio; Professor Charles G. McBride, to become Executive Secretary of the Ohio Milk Commission; Professor L. G. Foster, to become Secretary of the Bank of Cooperatives at Louisville, Kentucky; Professor D. S. Myer, to become State Agent in charge of Agricultural Adjustment Administration work in Ohio.

From the College of Commerce and Administration, W. D. Hooper, a research assistant in the Bureau of Business Research, to work with the State Relief Commission; Professor Kenneth Dameron, to enter the service of code making for retail industry under the N.R.A.; Professor Viva Boothe, to become member of the Joint Committee on Government Statistics of the National Research Council; Professor Tracy Thompson, to enter special service with

the Bureau of Census in connection with labor statistics and the N.R.A. program; Professor Lawrence H. Grinstead, to undertake a research project for Armour and Company (not a public service); Spurgeon Bell, Director of the Bureau of Business Research, to enter statistical and accounting research for the N.R.A.; Edwin S. Burdell, to organize and conduct programs for the unemployed in Ohio under the State Relief Commission; Professor Louise Stitt, to take charge of the administration of the Minimum Wage Law in Ohio; Professor H. Gordon Hayes, to serve as Chief of the Division of Economic Research in the United States Department of Commerce; Professor Willis Wissler, to enter field service of the C.W.A.; Professor Howard G. Brunsman, to serve with the Committee on Government Statistics.

From the College of Engineering, Instructor John V. Otter entered the federal service with the Federal Emergency Board in the State of Idaho as Engineer Examiner and for service in the government reconstruction program; Professor O. J. Marshall, of the Department of Civil Engineering, was given leave of absence to assist the United States Coast and Geodetic Survey in its program of local control surveys in Ohio.

From the College of Education, Department of Fine Arts, Instructor Erwin C. Zepp, had leave of absence for service in highway and park beautification carried on with federal and state funds.

The University conceives its place in the commonwealth as one calling for strictly educational service of a rather formal nature carried on at the University, and various types of service to be rendered over the State. The people of Ohio have come to regard the University as having this dual capacity and consequently in these emergencies of an economic and industrial nature through which we have been passing, the University makes as many and as great contributions to the public welfare as is possible. During the stress, arrangements are made somehow for carrying on the work inside of the institution and we have succeeded very well in making replacements for a temporary period of these members who have gone out to serve the public in an emergency situation. The University is proud of any contribution it may be able to make in these times and places on record here the names of the members of its staff who have received and answered this call into the larger public service.

NEW MEMBERS OF THE FACULTY

Additions to the faculty in these times are very few. Professor Louis J. Diercks came from the University of Iowa to accept a position in the Department of Music, where he teaches voice and men's choral work. Professor Hans Sperber, a phonetician and linguist of international reputation, came into the Department of German with professorial rank and taught during the Spring Quarter. He will continue in service next year; he is a notable addition to the large group of scholars now in the University faculty. Joseph N. Knull came from the United States Bureau of Entomology to become Curator of Insects in the Department of Entomology with the rank of Assistant Professor. Thomas C. Pollock, an Instructor in English at the University from 1925 to 1928, returned to the Department of English as Assistant Professor.

PROFESSIONAL HONORS FOR FACULTY MEMBERS

Professor G. W. McCuen, chairman of the Department of Agricultural Engineering, was made President of the American Society of Agricultural Engineers for the ensuing year.

Professor Robert B. Stoltz, chairman of the Department of Dairy Technology, was made President of the American Dairy Science Association for the ensuing year.

Doctor J. H. J. Upham, Dean of the College of Medicine, was again made chairman of the Board of Trustees of the American Medical Association.

Professor Rudolph D. Lindquist, Director of the University School, was made President of Phi Delta Kappa, an educational fraternity of national extent and large professional significance among educators.

Professor T. C. Holy, of the Bureau of Educational Research, was made President of the American Educational Research Association.

Professor Bland L. Stradley, University Examiner, was elected President of the North Central Association of Secondary Schools and Colleges; this association has been energetically and constructively proposing and upholding standards of performance for both high schools and colleges and in the north-central part of the United States is an organization of immense educational influence.

Professor Walter J. Shepard, Dean of the College of Arts and Sciences, was elected President of the American Political Science Association.

PROFESSORS EMERITUS

Each year some of the members of the University teaching staff arrive at the age where retirement is appreciated, and the Board of Trustees has established a financial plan for such retirement. This is in recognition of the long and meritorious service of the individual who has spent all, or a very great part, of his adult life in the service of the institution and has made material and spiritual contributions of a noteworthy kind and degree to the development of the University. This year emeritus recognition was awarded to Professor George R. Twiss, of the College of Education, who was made Professor Emeritus of Education; to Professor Wallace S. Elden, who was made Professor Emeritus of the Classical Languages; to Professor Joseph S. Myers, who was made Professor Emeritus of Journalism.

Feelings of sorrow and regret are experienced by the University staff when retirement takes place in the case of a fellow professor, but the inevitableness of such situations is clearly recognized by all; the Professor Emeritus is free to continue participation in University activities, educational and social, except that of teaching, and he is cordially welcomed at the Faculty Club and all faculty gatherings and groups. He may thus continue practically without abatement the relationship and friendship and stimulating associations built up through the years.

HONORARY DEGREES

Honorary degrees were conferred during the year upon three members of the medical profession as set forth in another portion of this report. At the June Commencement as usual honorary degrees were conferred upon certain graduates of the University who had been selected for this honor by the University Faculty Committee on Honorary Degrees and had then been approved by the University faculty and by the Board of Trustees.

Charles H. Lake, graduate of the College of Arts in 1909, Master of Arts in the year 1910, spent all his adult life in the public schools of the State; his services covered every type of activity from that of teacher in the one-room school to superintendent at the present time of the public schools of the City

of Cleveland, Ohio. In recognition of his notable services in behalf of public education he was given the honorary degree, LL.D.

Mr. Daniel J. Brumley, graduate in Engineering in the year 1895, spent his life since then in railway service in engineering and administrative capacities; he was the engineer in charge of the construction of the great Chicago terminal improvement. For his significant achievement in the field of railway engineering and administration he was awarded the honorary degree, Doctor of Engineering.

The honorary degree in this University is thought of primarily as the University's mark of appreciation of the notable accomplishments of its own graduates.

MEDALS AND SCHOLARSHIPS

The Lamme Medal, awarded annually in accordance with the provisions of the will of Benjamin G. Lamme of the Class of 1888, was awarded to Lewis Warrington Chubb of the Class of 1905 for notable proficiency in the field of electrical research and invention. For many years Mr. Chubb has been with the Westinghouse Electric Company of Pittsburgh.

The two scholarships awarded annually in accordance with the provisions of the will of Mr. Lamme are conferred upon students elected by the College of Engineering. This year the scholarships were awarded to Roderick A. Frankenberg and Richard Kilgore.

A number of scholarships and fellowships were created during the year in cooperation with industry, in continuance of the practice which has been growing in recent years: a fellowship sponsored by the Ohio Public Health Association for study and investigation in the Department of Social Administration; a scholarship created under a grant of the National Aluminate Corporation of the State of Delaware; one was created under an award from the Hoover Company of North Canton, Ohio, for study of the bacteriological content of dirt found in carpets; a study was set up in the Engineering Experiment Station under cooperative arrangement with the Metropolitan Paving Brick Company; The William R. Keenan, Junior, scholarship was established for the prosecution of studies in connection with the Dairy Science; the scholarship arrangement with the Dairy and Ice Cream Machinery and Supplies Association, Inc., was continued by that association and a particular study is going forward in the Department of Dairy Technology; the Everitt Antrim scholarship in Dairy Technology was likewise continued; a fellowship sponsored by the Charles Taylor Sons Company was set up for the study of bonds for super-refractories.

THE COLLEGE OF MEDICINE—IMPROVED DISPENSARY SERVICE

The University carries on the College of Medicine dispensary service on East State Street in Columbus, adjacent to the St. Francis Hospital. The District Nursing Association, the City of Columbus, and the College of Medicine cooperate in rendering the dispensary service, which has been carried forward for many years. Ways of improving the service have frequently been sought by the College of Medicine but no particular advance was made until last Autumn when with increased funds the College was able to organize the dispensary work more effectively so far as it affected the indigent patient and especially so far as it affected the training of students in the College of Medicine. Previously only senior class members participated, but now both senior and junior class members are organized into groups, so that these upper-

class men have actual experience at the Dispensary, under the direction and leadership of members of the faculty; they may look at the medical case de novo, and may follow the course of the doctor through his diagnosis and prescription. A sorting out of the long line of patients assembling each forenoon has now become possible, and groups of teaching cases for the benefit of the student may be segregated for particular attention in the latter part of the day, while such patients as would not constitute valuable teaching material may be dealt with at once and dismissed. We have not yet been quite able to supply all that is needed in a complete case history of these dispensary cases so as to link them up with the College activities and our own Hospital records, but great progress has been made in that direction. The value to the junior and senior medical college students cannot be overrated, and the interest and the cooperation on the part of the clinical faculty are of the most effective kind. Much inspiration has come to the study as well as the teaching because of this improved dispensary administration which the College of Medicine was able during the year to accomplish.

The Dean and the entire staff of the College and of the Hospital have the greatest interest in the improvement of the educational régime in medicine at this point as well as in many other respects both already accomplished and in contemplation. There is much still to be wished in our dispensary facilities and the hope is ardently expressed by the faculty of the College of Medicine that another wing may be provided for our own Hospital on the University grounds to render possible at the College a dispensary service of the highest quality and the most effective organization. Doubtless, the dispensary service on East State Street would be still retained. Into this proposed new wing could go also other activities of the College of Medicine, such, for example, as the Isolation Hospital, whose activities are now carried forward in an entirely inadequate and hopelessly located building near the Engineering Experiment Station. Perhaps it may be said with entire confidence at this point that an additional wing on the University Hospital is one of the most pressing of our building needs. There are others of a very urgent nature, but there is no doubt anywhere that the functions of the College of Medicine could be much more adequately carried on in the clinical areas if this wing could be provided.

The activities of the clinical staff of the College of Medicine are enthusiastically and effectively carried on also in St. Francis Hospital on East State Street where the Sisters in charge are cooperative, helpful, and sympathetic to the last degree. Much valuable work for the training of our students in the College of Medicine is carried forward in this hospital, and it is one of the very valuable assets of the College of Medicine. There is a type of cooperation and friendly understanding and assistance evident in the local Hospitals with which the University College of Medicine has association which inures to the development of the College and to the training of physicians for the Commonwealth. These relations are promoted and conserved with the greatest sincerity and social appreciation by the Dean and the entire staff.

SOME SERVICE ACTIVITIES OF THE COLLEGE OF AGRICULTURE

A. Extension Service

The Agricultural Extension Service is maintained in almost all of the counties in Ohio and comprises the Agricultural County Agents, the Home Demonstration Agents in many counties, the District Supervisors and the extension specialists in many fields of agricultural knowledge who go out upon

call or in furtherance of a mission. This organization spreads its activities all over Ohio and is activated from the College of Agriculture at the University; it is a most effective agency and is in constant contact with the farmers and the rural people of the State. Consequently, when some state-wide purpose must be carried to the farm people of the State, it is very naturally done through the extension service organization; likewise the federal government continually acts upon the farming population through this organized service. Especially is this true in the last few years when the federal government has been extending itself unprecedentedly to come to the relief of the farm people. The activities of the old Farm Marketing Board were given effective release to the farm people through the agricultural extension service, and the activities of the Agricultural Adjustment Administration (AAA) provided for by congressional act and administered by the Federal Department of Agriculture, took up the many difficult problems involved in this enterprise with the farm population directly by means of the county agents, home demonstration agents, the supervisors and the specialists of the organized service. The value of this organization has long since been understood, but its super-usefulness was not evident until the emergency of the great depression came upon us in 1930-31; what the federal government could have done in the way of farm relief without the extension service already functioning in the state and familiar with people and conditions, is difficult to conceive. The government's experience with other types of relief, such as CWA and PWA, in areas where there was no previous organization, had to be by trial and error; an organization had to be built hurriedly and, therefore, not always effectively, and one experiment after another was undertaken and abandoned or changed into some other type of experiment, pretty largely because experienced personnel were not at hand. Any relief program to be effective must be capably administered by a trained personnel, and this was lacking in great part in all regions of federal relief except that of agriculture, and here the Agricultural Extension Service has continuously given new proofs of its meritorious purpose, its spirit and its great effectiveness. When the Secretary of Agriculture comes into a state now he can appear before organized groups which have been functioning for a long time in the field of agriculture and which intimately know the agricultural people and their problems.

We have in these times been learning that a large number of experienced field workers in the area of Social Administration is highly necessary, not only for the present emergency but for the long future when the great present stress has been alleviated; plans are being made now on a large scale to supply this need, made imperative by such legislation as that setting up old-age pensions, unemployment insurance, and other measures of general social relief, and we hope to be able in time to manage social welfare programs with the same high order of intelligence we have been devoting to agricultural programs. The Agricultural Extension Service is here, well organized, is excellently directed, and is a fine result of constructive planning and intelligent appreciation which have been going forward in this country for thirty years. The state and the federal government are relying upon this agency to give publicity to the program and to allocate the relief.

B. The Future Farmers of America

In the performance of its service to the rural people of Ohio, the College of Agriculture upon occasion invites groups to the University and in the first few days of January it entertained on the campus the Fourteenth Annual

Vocational Agricultural Judging Contest and the Sixth Annual Convention of the Ohio Association of the Future Farmers of America. In the judging contests the various departments of the College of Agriculture cooperated and the boys worked together as teams in these various fields of judging. On that occasion the boys judged general livestock, dairy cattle, meat, quality and grade of wool, sheep, poultry and milk. There was an agricultural engineering contest, and an exercise in crops identification. The boys went about their work with the utmost deliberation and intelligence and for two days toned up the campus with their spirit and their sincerity.

A feature of this meeting was the banquet of the Future Farmers at which there were various speakers, some of them noted farm leaders, but the most striking event of the evening was the address by the President of the organization, Robert Jones of Radnor, Delaware County. This young man of about eighteen years of age showed remarkable poise and impressive ability to give expression to his thoughts, as he described the experiences of a recent trip under the auspices of the F.F.A. to the Pacific Coast and out to Hawaii. On this trip he appeared before many groups of farm people and other gatherings, and brought a youth's message of good-will and hope which was very inspiring. His appearance before the hundreds of boys attending the banquet was a notable performance.

The Vocational Agriculture division of the State Department of Education, which has charge of the funds provided by the federal and state governments for Vocational Agriculture in the high schools, acted in cooperation with the College of Agriculture in formulating and ordering the program of exercises for these boys and had general charge of the activities for the two days of these contests. The youths in attendance, numbering almost two thousand, gave a stimulating exhibition of the type of training they are receiving in the Smith-Hughes schools and on the farms aimed at the development of skill and competence in agriculture and the most intelligent and constructive type of citizenship.

C. The 4-H Clubs and the University

Annually chosen representatives of the 4-H Clubs in the various counties of the state meet at the University for a week's program of instruction, entertainment, and social experience. It is a stirring adventure for many of them to come to Columbus and to the University, and the greatest interest is manifested at home in the selections. Usually they have come in November, but the meeting this year was held in September, the one month when the University has a vacation, so that the University dormitories and dining facilities might be at their service. They have been doing this for years and the nature and scope of their activities are well known; their coming is always a great inspiration in University circles. Their meetings are in charge of experienced club leaders and members of the faculty of the College of Agriculture give enthusiastic cooperation. The ultimate effect of the training of many hundreds of boys and girls in the schools of vocational agriculture, in the Future Farmers organization, and in the 4-H Clubs, can hardly be estimated. It is certain that it must be very great!

THE UNIVERSITY SCHOOLS

The University Schools are now united under one roof, being housed in the University High School Building on the campus. For several years the Pre-School and Elementary School were carried on in a rented building at

43 East Frambes Avenue but it was found possible, with some concentration of activities and space, to give up the building outside and to bring these activities on to the campus. The high school or secondary school, the elementary school, and the pre-school or kindergarten are now in one building where administration and a more generous use of facilities and equipment is rendered possible. The entire system is operated under the direction of Professor Rudolph D. Lindquist, and a very close working relation is maintained with the College of Education, especially through its Department of Education. The University Schools are to a very large extent a laboratory facility of the College of Education, but the children are not exploited for this purpose, the main and unalterable purpose being to give to children of these ages the best type of educational training about which we know and which we can carry on.

Experimentation of a well-considered kind is constantly going forward in the training of teachers and in the University Schools. The students who are training for the teaching profession should be enabled to observe the teaching, the dealing with young pupils, the facilities required, and the entire schoolroom and administration procedure of the highest type and of a type which is not too static. To acquire excellence in school work and to maintain interest and efficiency, constant wise experimentation must be carried forward and we are proceeding upon this principle. The high school was opened with the tenth grade as the top class in 1932; the eleventh grade was added during the year just closed, and the twelfth grade will be instituted and carried forward for the first time in the coming year 1934-35. As an organization the University Schools will then be complete.

It will be understood that these schools are not only for observation and laboratory purposes as a part of the College of Education and, therefore, constituting one of its chief assets as a training institution for teachers, but are also intended to be a demonstration and observation school for the public school people of Ohio and elsewhere, and our experience has shown that there is a widespread interest among teachers and school superintendents and parents out over the state in what is going forward here. We hope in this way also to be of the greatest benefit to the Commonwealth which gives us support.

It is recognized in these days that the individual child is at the focus of educational procedures and organization and that a development of the child's personality is the ultimate aim of any system of education. In the University Schools these principles are never lost sight of and within the range of possibility they are made the motivating features of the school life. In order to accomplish these ends there must be a considerable degree of informality, a considerable lack of regimentation, in order that the individual spirit may have the freer opportunity for its manifestation and growth and for friendly and sympathetic and intelligent training and help from the teacher. The teaching staff from top to bottom is selected with these principles in mind and we feel that we are doing a rapidly developing and highly constructive piece of educational work which will result in benefit to the state in the better training of the young men and women who go out to teach in the public schools and in the demonstration and friendly cooperation and conference which we can give in the Schools to the public school people. We do not claim perfection, we solicit constructive criticism, we maintain constantly the attitude of considered experimentation.

Attendance in the University Schools is conditioned by the same fee requirements generally as exist throughout the University. The purpose is to

select pupils who will be a representative cross section of our young people of the required school ages and, therefore, the methods and procedures which are being developed and which prevail in the school are such as are entirely applicable to the normal American boy and girl. They are not at all intended exclusively for the child who is unusually precocious or who is a genius, although the methods of dealing with children and the principles which inspire the educational procedure are very well adapted to individuals of any type. It is conceived, however, that the school will be of the greatest use if its pupils represent a fair cross section of society as it exists today.

The teachers likewise have associations with the members of the faculty of the Department of Education and the other faculty members of the College of Education, and in fact are accepted without question in all groups of the University teaching faculty. They may at pleasure visit the various departments of the University and would normally have a special interest in the departmental work dealing with freshmen and sophomores, since the methods pursued in the University with freshman students usually have some bearing upon the training of these young people in the secondary schools. It is entirely thinkable and indeed expected that the training given to pupils all the way along the line in our University Schools may have some effect upon the thinking and procedures of the staff who deal with the freshmen. The interaction will be valuable and mutual, and this happy result is one which is the natural outgrowth of the location of the Schools on the University campus and their close integration with the University activities. The enrollment and the records and the organization are kept intact and are in no wise entangled with the University organization or procedures but the Schools are operated as an entity. This does not militate against University aid and help wherever that is possible and in whatever way it may be pertinent, nor does it disable the Schools by putting upon them any attempt to copy University procedure. It cannot be too strongly emphasized that the University Schools are an entity having a cordial and most cooperative relationship with the Department of Education in the College of Education, where the great bulk of the work in connection with the training of teachers goes forward. The University is quite happy in these Schools in the progressive manner in which they are being conducted, and has the greatest enthusiasm for the place which they may fill in the public educational work of the state.

GIFTS OF BOOKS TO THE UNIVERSITY

During the year Emeritus Professor of German B. A. Eisenlohr selected from his library many books which would fit well into the main library of the University and made a gift of them for the use of students and other readers. Many valuable volumes are included in this gift by Professor Eisenlohr and the University recognizes his generosity with deep appreciation.

Many of the books of Professor Lydia Clark Benedict, head of the Women's Division of Physical Education for many years, came to the Library through her bequest and make a material increase in our resources in this field. The University gratefully acknowledges this generous remembrance.

THE NEW DEAL

The group of statutes passed by Congress at the beginning of the Roosevelt administration in March, 1933, and the administrative organization and regulations set up pursuant thereto for carrying these legislative enactments

into effect, because of their sweeping provisions and generally adventurous nature, soon came to be called the New Deal. Many college men and women were invited to Washington, into the service of the federal government, to give these legislative enactments effect, and many other persons came from other callings and activities for the same purpose. The whole plan evidently was to lend the great powers of the federal government to the alleviation of acute industrial and social conditions, particularly at the earliest possible moment to relieve devastating unemployment by the provision for public works of many kinds, for federal aid in originating new kinds of work of a public interest, and also for bringing about closer and more effective cooperation and understanding in various types of business. The purpose was one of very widespread interest constituting really a great adventure on the part of the American government into fields where, generally speaking, it had not theretofore extended its activities except in a regulatory fashion. Our whole theory of government and private life was one growing out of our conception of democracy in government and freedom of the individual in private life and activity. Suddenly we seemed to find that our old practices in business were no longer working effectively, that our conceptions of the social order were proving strangely inadequate, and almost in despair of amending the situation which existed we enacted copious legislation and invested in the new President of the United States unprecedented powers of administration and expenditure of public funds. The efforts which followed, motivated by the federal government particularly, for the improvement of industrial, financial and social conditions were very great and led us into new and untried fields of governmental experimentation, all carried forward with the feeling that conditions were desperate and, therefore, the remedies must be unusual.

Educational institutions were interested from the beginning; they felt the necessity of bringing to the students analytical and enlightening discussions by eminent men engaged in carrying the New Deal forward, and so a course of lectures was arranged by the Graduate School of the University on the New Deal. Since this is a new subject and the interest was fresh and insistent, it is worthwhile here to make a record of the titles of these lectures and the names of the lecturers. They were very stimulating to the University community and were well attended, and certainly focused the University's thoughts upon the many phases of the New Deal and what its meaning might be for institutions and conceptions which we had heretofore without question regarded as fundamental in American life. The list follows herewith:

"NEW DEAL" LECTURES

Friday, January 26, 1934—William Morris Leiserson, Chairman of the Petroleum Labor Policy Board in Washington, D. C. Subject of lecture: "Labor Under the New Deal."

Monday, February 5, 1934—Melchior Palyi, formerly Professor of Banking in the University of Berlin and economic adviser of the Deutsche Bank and now visiting professor at the University of Chicago. Subject of lecture: "International Aspects of the New Deal."

Friday, February 16, 1934—Mordecai Ezekiel, economic adviser to the Secretary of Agriculture in Washington, D. C. Subject of lecture: "Agriculture Under the New Deal."

Saturday, February 24, 1934—Irving Fisher, Professor of Political Economy, Yale University. Subject of lecture: "Managed Money."

Wednesday, February 28, 1934—Paul H. Douglas, Chief, Bureau of Economic Education, Washington, D. C. Subject of lecture: "The Consumer Under the New Deal."

Monday, March 5, 1934—H. Parker Willis, Professor of Banking, Columbia University. Subject of lecture: "The Banking Policy of the Present Administration."

Friday, March 9, 1934—Henry Hazlitt, Editor, American Mercury, New York City. Subject of lecture: "A Critical Analysis of the New Deal."

Monday, April 9, 1934—George W. Stocking, Member of the Federal Petroleum Labor Policy Board, Washington, D. C. Subject of lecture: "Codes and Code Making."

Tuesday, May 8, 1934—David Cushman Coyle, consulting engineer in New York City. Subject of lecture: "Planning and Regimentation."

This list will show that political scientists, economists, sociologists, historians and other persons, experts in the business field, visited the University and presented to faculty and students much material for thought and diverse viewpoints. Verily, it has been a time when fundamental conceptions of government and social order have been in question and the wisest men have been in confusion. The Universities have been endeavoring to cut a way through and the New Deal lectures have supplied weapons.

THE TOWER CLUB

The depression has had disastrous social effect in curtailing educational opportunity. Young men and women just out of high school, ready and anxious for college, ambitious, worthy, and capable, find the way of their educational ongoing blocked by economic barriers. Meager family incomes have been depleted and destroyed. Opportunities for student self-help through summer work and outside employment during the school year have been greatly restricted. The alternative, indeed, of "going to work" instead of going to college has largely disappeared.

The University has felt with distress the pressure of earnest importunities by high-school graduates and their parents for some aid or some plan whereby these young people might come to the University. In the minds and hearts of those educational pioneers who made possible throughout this nation the so-called "land-grant colleges" was the earnest hope that these colleges might provide educational opportunity at the lowest possible cost. Those responsible directly for the upbuilding of these institutions through the years have remembered this hope and have made it their purpose as well.

Perhaps the greatest expense involved in attending any college is that of "board and room." In the summer of 1933 the Dean of Men made a diligent canvass of the campus to discover whether it might be possible to house a group of boys in some University building at low cost in some kind of cooperative dormitory. A thorough survey showed that the southwest tower of the Ohio Stadium might be vacated, and with minor changes in heating, ventilating, and lighting, might be equipped for this purpose at small additional cost.

The Athletic Department, using the tower, agreed instantly to this plan and a committee was appointed to carry forward the scheme, composed of the following: Joseph A. Park, dean of men; Bland L. Stradley, University examiner; Charles A. Kuntz, comptroller; and E. S. Drake, manager of Ohio

Union. Mr. Carl E. Steeb, University business manager, gave much help to this committee.

The dormitory was equipped and prepared for a group of 75 boys to be selected upon the bases of need, scholarship, and leadership in their home and school communities. Fifty were to be new students, freshmen, and 25 to be chosen from our own advanced students. High-school principals were informed of the enterprise and asked to nominate worthy candidates for admission. The dormitory was christened "The Tower Club."

The success of the Tower Club, it was felt, would depend upon the nature of its organization and the selection of students of high caliber who were socially minded leaders in the community but who could not finance a college education. The personal histories of the group of 50 freshmen and 25 advanced students who were selected to reside in this dormitory indicated that we might expect a high grade of accomplishment. The group reported during Freshman Week, elected from their membership their president and vice-president, steward, treasurer, intramural manager, and their assistants. Members were appointed in turn to "K.P." duties such as that of waiters, dishwashers, kitchen assistants, and janitors. The faculty committee has manifested its continuing interest throughout the year by lunching frequently at the Tower Club and conferring regularly with the boys on both personal and academic questions.

As was to be expected, the group made an academic average of almost B grade (2.88) which is higher than the academic record of any other social organization on the campus, such as social fraternities. The boys not only became leaders in the classrooms but also participated in the activities on the campus. They were regarded by the student body as a select group of young men who, by past accomplishments, had earned the recognition and cooperation of the state and the University in securing an education.

It was found possible to continue throughout the year the budget which was estimated at the opening of the Tower Club, namely, \$3.00 per year to cover "room" and \$2.50 per week for "board." The inexpensive but carefully balanced menus offered at this price, the regular wholesome habits of the Club life, and the attention of the Student Medical Service made it possible for the boys to gain weight and maintain an excellent degree of health.

Nearly one hundred applicants for admission to the cooperative dormitory could not be included in the approved list because of the limited capacity. Thirty found other means of financing a year at the University, while more than sixty of these boys who should have been in college found no way to attend the University.

By means of this cooperative dormitory the University has met in a modest way the need which exists to help prepare for useful citizenship through education young men who are the victims of financial conditions beyond their control. So heartening has been this enterprise that the University will make every effort to enlarge it next year.

NEW NAMES FOR CAMPUS ROADWAYS

The constructive interest of the Student Senate, dating back nearly two years, has culminated in new nomenclature for campus roadways expressing geographical convenience, University sentiment and tradition, and euphony.

At the suggestion of the Senate a committee consisting of H. D. Smith, University Architect; Alex Gaal, Senate president; Professor C. E. Sherman, Civil Engineering; Professor William L. Graves, English; and J. B. Fullen,

Alumni Secretary, was constituted in May, 1933, to devise a permanent plan for naming the roadways. On May 14, 1934, the University Cabinet adopted the recommendations of that committee, as follows:

1. That all principal east-west thoroughfares be designated "drives" and all principal north-south thoroughfares be designated "roads."
2. That the following permanent designations be made immediately:
 - a) Neil Road—continuing Neil Avenue through the campus.
 - b) University Plaza—the Fifteenth Avenue entrance between High Street and the Oval.
 - c) North Oval and South Oval Drives.
 - d) Eleventh Avenue Drive—west from Neil Avenue at the Medical Group.
 - e) Twelfth Avenue Drive—opposite Twelfth Avenue from High to Neil.
 - f) Seventeenth Avenue Drive—opposite Seventeenth Avenue from High to Neil.
 - g) College Road North and College Road South—the first north-south thoroughfare inside the campus, west of High Street, extending from the Oval north to Nineteenth and south to Twelfth Avenues.
 - h) Eighteenth and Nineteenth Avenue Drives—from College Road to Neil.
 - i) Stadium Drive—from Neil Avenue to the Stadium.
 - j) University Drive—west from Neil, north of the Stadium across the river through the University farms.
3. That the names of individuals be reserved for buildings, not for roadways.

These recommendations were subsequently approved by the Board of Trustees and permanent markings will be provided in due time.

MUSIC AND ART IN STUDENT LIFE

The old notion that college experience is "preparation for life" has been sensibly expanded by the growing awareness among all educators that schooling is a vital period of life and living in itself. This conception of college life creates the obligation upon universities to enrich the environment and activities of undergraduate experience in every way possible.

Valuable, indeed, toward this end are the contribution and outreach of the University's departments of Music and Fine Arts. Although both departments are organized to offer explicit professional training, their activities and influence definitely transcend the limits of preparation for career and continuously they touch the lives of all who live in the University community—faculty, students, alumni and citizens.

In 1927-28 the Department of Music was formally established, enrolling 851 students in courses and giving musical participation to 157 students in musical groups, such as the glee clubs, band and orchestra. During the current year more than 2500 students have been registered for class work in musical courses and nearly 3000 students have had part in musical performance sponsored or conducted by the department. Although the totals cited show much overlapping—i.e., perhaps a majority of those participating in group performances were students in regular musical course work—it will be understood that an aesthetic influence of great importance has been widely diffused in student life. This becomes more evident when one learns that the various campus music organizations gave approximately 100 public performances dur-

ing the year. In addition, the organizations supplied more than 20 broadcasts for WOSU, the University's radio station.

The symphony orchestra, the salon orchestra, the mixed chorus and the men's and women's glee clubs not only gave some twenty-five concerts of their own, on and off the campus, but were continuously furnishing incidental music for the University convocations, the Educational Conference, and other large gatherings. The bands were most active among the organizations, having played at 20 athletic and military affairs, and having given ten concerts on a spring tour of northeastern Ohio and five twilight open-air concerts on the campus in May. Students, faculty, alumni, and townspeople came in great numbers to hear the undergraduate musicians, and the high caliber of their performance was universally commended by competent critics.

Recognition of the University's contribution to the musical life of the state was indirectly evidenced by the fact that the campus this spring was chosen as the location for the state high-school band and orchestra contest and festival. With Professor Eugene J. Weigel in charge of arrangements, assisted by colleagues in the Department of Music and the University administration, three of the largest buildings on the campus were virtually turned over complete to the more than 2000 high-school pupils with their 1200 relatives and friends who came from some thirty communities in Ohio for the event.

The University acknowledges with genuine satisfaction the effective work of Professor Royal D. Hughes and his associates in the Department of Music in making music a significant aspect of University life.

To Professor James R. Hopkins and his staff in the Department of Fine Arts the University is similarly indebted. Although student participation in art work is necessarily more limited than in music, the cultural influence of the department throughout the University is a growing and important one.

For example, the department maintains exhibitions of both student and faculty work in the Administration Building and Faculty Club, Education Building, Chemistry Building, Archaeological and Historical Museum, Townshend Hall, Horticulture and Forestry Building, the radio station, and Pomereene Hall. Some of these consist of picture collections which are regularly changed; others are paintings and art work more or less permanently displayed in classrooms, corridors, and offices; all are in places frequented by students and faculty, conducive to art-awareness and appreciation among all.

During the winter, members of the department gave a series of 35 broadcasts upon art subjects over WOSU. The work of Fine Arts faculty members gained recognition at exhibitions in New York, Philadelphia, Washington, Chicago, Syracuse, Toledo, Omaha, Memphis, and at the Century of Progress. Student work was sent by invitation to exhibits in connection with the Western Arts Association at Detroit and the Eastern Arts Association at Rochester. Two foreign scholarships were won by students in the department, one for study at the Courtald Institute in London, the other being the Ryerson Traveling Fellowship in Landscape Architecture for graduate study in Europe. At the National Ceramic Exhibition in Syracuse, New York, four out of the eight prizes were won by persons in the department.

Two large mural paintings for the entrance hall of the Horticulture and Forestry Building, a series of 42 ceramic plaques for the new Physical Education Building, and two pieces of sculpture in stone for the Education Building have been allotted to the University as part of the federal government's public works program in art projects.

From this review it will be understood that not only on the campus but also in the state and nation the Department of Fine Arts has attained prestige, while among the faculty and student body the department's contribution to what might be thought of as the amenities of University life is fully recognized and appreciated.

"DADS' ASSOCIATION"

Interest in the University rises to a maximum when one's own children have come here for educational training. Then, as at no other time, what the institution is and what it is doing become matters of vital interest to the parent.

This interest the University recognizes as an asset of great value. Administration and faculty alike regard it as significant that the parents are uniting in support of the University and its program and are organizing to express their sentiments about the University and its importance in the life of the state in their home communities. More than any other large group of citizens, the parents of students are in position to speak authoritatively for and concerning the University, and their counsel is of value to the University.

So it is that the University is gratified to report that the "Ohio State University Dads' Association," under the vigorous leadership of Mr. Paul C. Laybourne of Cuyahoga Falls, its president, has carried forward with intelligence and enthusiasm its program launched two years ago. The Association now has members and committeemen in a majority of the counties in the state who hold their annual meeting on "Dads' Day" during the football season each autumn.

The purpose of the organization, as described in its constitution, is "to further intelligent appreciation and understanding of the problems and aims of the Ohio State University among parents and taxpayers throughout the state; to strive for unity and cooperation in behalf of higher education; and to promote good fellowship among the fathers of students."

During the past year the executive committee of the Association has comprised: Mr. Laybourne; Mr. C. H. Black, Lima; Doctor E. R. Mann, Marion; Doctor F. A. Zimmer, Pataskala; Mr. E. J. Rose, Wilmington; Mr. Grover A. Hughes, Youngstown; Mr. John Zeller, Bucyrus; Mr. E. J. Maguire, Cleveland Heights; Mr. Charles J. Kurtz, Columbus; Doctor D. W. Peppard, Mansfield; Mr. F. E. Laukuff, Mt. Vernon; Mr. H. S. Bagleu, Osborn; Mr. W. M. Scott, Marietta; Mr. H. C. Harley, Fostoria; and Doctor R. C. McNeill, Kenton. Mr. John B. Fullen, alumni secretary, and Mr. Joseph A. Park, dean of men, have served unofficially as liaison officers between the Association and the University.

POLICE AND FIRE SCHOOLS

Encouraged by the sense of useful public service accomplished through sponsorship of the "Ohio Fire School" on the campus in recent years, the University this year widened its range of such service by conducting its first short course in "Police Administration" on March 19-24, 1934.

Forty-two students from 20 Ohio cities and 3 outside states attended, and the subjects dealt with covered a broad area—ranging from the technical concerns of finger-printing and other criminal detection methods, medical aspects of police work including poisons, first aid and life-saving, the use of chemistry in crime solution, etc., to the larger questions of crime prevention, criminal procedure in the courts, penal policies and the like. Members of

the University staff were called upon to assist by making addresses and conducting discussions; the "school" was planned and directed by Professor Harvey Walker of the Department of Political Science. The majority of the speakers were leaders drawn directly from the field of police and criminal work, state, municipal, and county officials.

The course was organized and conducted at the University by request of the Ohio Crime Control Commission, a professional group of police officers and prosecuting attorneys formed nearly a year ago to develop more effective means of dealing with the problems of crime in Ohio.

The Fifth Annual Ohio Fire School was held on the campus, June 26-28, 1934. Organized initially by Professor Walker, the school has been directed capably during recent years by Professor Karl W. Stinson of the Department of Mechanical Engineering. In conducting this course the University receives financial assistance from the Fire Chiefs' Association of Ohio and enjoys the cooperation of the Ohio Inspection Bureau, the American Red Cross, and the Fire Prevention Association of Ohio.

Appreciation of the substantial service of the school is attested by the fact that 222 representatives from 38 cities and towns were in attendance. Even this large attendance, however, represented a 25 per cent decrease from the year before—due undoubtedly to drastic salary and personnel reductions in local fire departments and the inability of many cities to provide even partial expenses for those attending.

As in the course of police administration, most of the program-speakers were officials and experts selected from the fire-fighting and fire-prevention field, although University staff members participated as heretofore. Professor G. Bryant Bachman of the Department of Chemistry contributed a valuable lecture and demonstration on "Refrigerants and Their Fire Hazards," and Professor Stinson talked on "The Hydraulics of Fire-Fighting."

The development of regional fire schools, such as those held this year at New Lexington, Youngstown, Cleveland, and Akron, is an interesting outgrowth of the Ohio Fire School. The University, anxious to aid this development and to send staff members to the local schools, finds itself financially handicapped to do the thing it would like to do. As more of these schools are established the yearly school on the campus will tend to become an advanced course, with resultant new opportunities for constructive service to the state.

FOUNDRY AND WELDING CONFERENCES

The Department of Industrial Engineering this year widened its contacts with industry by bringing to the campus a district meeting and conference of the American Foundrymen's Association. Sessions were held April 5 and 6, 1934, in the Engineering Experiment Station with approximately two hundred interested visitors in attendance. Speakers were members of the University administration and faculty, research engineers from the Battelle Memorial Institute in Columbus, and members of the Association in the industries.

Exhibits were provided by the Ohio Safety Council, the United States Bureau of Standards and 27 manufacturing firms in Ohio, Pennsylvania, Michigan, New Jersey, Maryland, and Illinois.

The department was likewise host to the Third Annual Welding Conference on the campus, February 28 and March 1, 1934. Despite extremely cold weather and heavy snows, nearly four hundred delegates registered for the

sessions addressed by eight visiting technologists and engineers. Four University speakers also contributed to the program. Twenty-three firms had their products in the conference exhibit.

Both the welding and foundrymen's conferences are valuable not only in developing helpful relations between the University and industry but also in bringing to the attention of engineering students the latest inventions and processes in their fields of study.

COOPERATION WITH THE STATE HIGHWAY PATROL

Late in January, 1934, the University gave cooperation to the State Department of Highways in enabling the state to establish a radio communication system for the new State Highway Patrol. At the request of Mr. O. W. Merrell, State Highway Director, the Board of Trustees granted a revocable privilege for the temporary construction of a central short-wave broadcasting station upon University farm land at the corner of the Olentangy River Road and Ackerman Road.

The University also authorized an arrangement with Mr. R. C. Higgy, Director of WOSU, to provide engineering service for the planning, construction, and operation of a radio communications system to cover the entire state, with stations in addition to that located at the University.

In the operation of the communications system, three units of which were completed by July first, 1934, several graduates of the University have been placed in both technical and operating positions; and this is another fruitful outcome of the relationship.

A CENTURY OF PROGRESS IN MEDICAL EDUCATION

An event of significance in American medicine, in the educational progress of Ohio, and in the life of the Ohio State University, was the celebration of the Hundredth Anniversary of the College of Medicine on the campus, March 1-3, 1934.

Dating back to March 3, 1834, when the Department of Medicine of Wilmoughby College was founded on the banks of the Chagrin River in Lake County near Painesville in the early settlements of the old "Western Reserve," the celebration dramatized "A Century of Progress in Medical Education." For the College of Medicine at the Ohio State University traces in unbroken line its succession from this establishment of the oldest medical school west of the Allegheny Mountains.

The Medical Centennial presented a strong appeal to the alumni of the present College of Medicine and its antecedent colleges whose alumni were officially certificated in 1920 as members of the Ohio State University alumni body. More than seven hundred graduates were in attendance, some coming from as far away as Seattle and Boston. Florida was represented, and California. In addition to the graduates three hundred guests were registered, including visiting faculty members from other colleges of medicine throughout the country, members of the practicing profession, and others interested. Fifty-two classes held reunions, the oldest representative being a member of the Class of 1865. Six medical fraternities and one sorority had reunion banquets. Thirteen alumni and one faculty member were initiated into Alpha Omega Alpha, national honorary medical fraternity.

It is impossible, within the limited compass of this description to portray adequately the variety, interest, and importance of the program-sequence pre-

sent by visiting scientists, teachers, practitioners, and the members of the College of Medicine staff.

The past was represented by exhibits of medical equipment used since 1834 to portray the progress of medical technology, and by a series of lectures and pageants which paid tribute to the pioneers and re-enacted outstanding events in medical history. The present was represented in a great number and variety of clinics, with lectures and demonstrations covering modern techniques, practices, principles and theories in medicine and surgery. Implications for the future were foreshadowed and revealed in addresses by distinguished workers in research, teaching, and practice.

The sessions opened Thursday morning, March 1, with simultaneous clinics in three Columbus hospitals—University, St. Francis, and Children's. Laboratory demonstrations in Hamilton and Kinsman Halls on the campus and dramatic presentations of important events in Ohio medical history followed that afternoon. The history of medical education was featured in the first general session that evening in the University Chapel when Doctor Francis Packard, Philadelphia, editor of *The Annals of Medical History*, Doctor Jonathan Forman of the medical faculty and editor of *Phi Rho Sigma*, and President George W. Rightmire of the University were introduced for addresses by Dean J. H. J. Upham of the College of Medicine, who presided over this as well as other general sessions on the program. Doctor Forman traced the genealogy of the college from its flourishing start at Willoughby through later hard times and the transfer to Columbus in 1846 where, through the interest and generosity of Lynn Starling and others, it took on new life; its change of name to Starling Medical College; its later merger with the Ohio Medical University to form the Starling-Ohio Medical College in 1907; and its final incorporation in the Ohio State University in 1914.

On Friday morning, March 2, in a general Convocation of the University at the Chapel, honorary degrees were conferred in full academic ceremony upon Doctor Henry S. Houghton of Chicago, a graduate of the University in 1901, recognized internationally for his work in medical education and administration; upon Doctor Torald H. Sollman, Dean of the College of Medicine at Western Reserve University and famed as a pharmacologist; and upon Doctor William S. McCann, a graduate of the University in 1911, noted in medical research and director of the Department of Medicine at the University of Rochester. The Convocation was featured by a brilliant address upon "The Challenge of the Future to Medical Education," by Doctor Houghton.

In the afternoon of that day two of the University's most distinguished alumni, Doctor Francis C. Wood, '91, chairman of the Crocker Foundation for Research in Cancer at Columbia University, and Doctor Edward Francis, '94, of the United States Public Health Service at Washington, D. C., addressed the general session upon the topics of their respective special interests, "Cancer" and "Tularemia." The Centennial visitors were guests of the University and of the Starling-Ohio Women's Club at a reception in the Faculty Club later in the afternoon.

Saturday morning sessions, March 3, were opened with surgical clinics in University Hospital and medical clinics at Campbell Hall, and after a buffet luncheon for alumni and guests at the hospital the clinics were there resumed in the afternoon.

Special clinics were directed on Saturday by Doctor Gatewood, '07, M.A. '10, associate professor of Surgery at Rush Medical College, the University

of Chicago; Doctor Mont Reid, chairman, the Department of Surgery, the University of Cincinnati; Doctor Roy D. McClure, '04, surgeon-in-chief at the Henry Ford Hospital in Detroit; Doctor F. A. Hartman, then professor of Physiology at the University of Buffalo (now chairman of the department at the Ohio State University); Doctor Torald H. Sollman, dean of the College of Medicine at Western Reserve University; Doctor George T. Pack, '20, of Memorial Hospital in New York City; Doctor Robert Zollinger, '25, Med. '27, of Peter Brent Brigham Hospital in Boston; Doctor R. A. Moore, '21, M.A. '27, Med. '28, associate professor of Pathology at the Cornell Medical Center in New York City; Doctor Raymond L. Pfeiffer, Med. '28, of the Institute of Ophthalmology, Columbia Medical Center in New York City; Doctor Samuel T. Mercer, Med. '29, research fellow in Dermatology at the Columbia Medical Center.

Formal close of the Centennial exercises, following the Alpha Omega Alpha initiation and supper, came Saturday evening when Doctor Charles Emerson, research professor and former dean of the Medical College of Indiana University, delivered the public Alpha Omega Alpha address.

A fruitful outcome of the celebration was the stimulation of alumni interest in the far-reaching plans of the medical faculty, the University trustees and administration, for development of a great medical center at the University. In response to the suggestion of many leading faculty members and alumni, formally voiced in an address to the visitors by J. L. Morrill, vice president and former alumni secretary of the University, the graduates voted to form a Medical College alumni association, as a special division of the general alumni association, so that alumni interest and support, united and organized, might function more effectively for the upbuilding of the University and the college.

The University, looking back upon this historic occasion, pays tribute with mingled pride and sorrow to Doctor Ernest Scott, professor of Pathology, whose sudden and untimely death just two days after the close of the Centennial celebration came with inexpressible shock to the University community. Doctor Scott, as general program chairman, had worked tirelessly, enthusiastically, effectively for months to arrange the program details. Although always in the background, giving credit invariably to others, his was the leadership which, more than any other factor, made possible the distinction and quality of the Centennial events. That he lived to see the successful culmination of his hopes and plans is the only consolation of his colleagues for his passing.

The University acknowledges also, with the greatest appreciation, the services of all within and without the University who contributed time and thought and work to the arrangement and conduct of the Centennial exercises; particularly to Doctor Scott's general committee associates: Dean J. H. J. Upham, Doctor V. A. Dodd, of the Department of Surgery; Mr. J. B. Fullen, alumni secretary; Doctor Charles A. Doan, of the Department of Medical and Surgical Research; Mr. H. K. Schellenger, director of the University News Bureau; and Doctor Jonathan Forman, of the Department of Medicine.

THE ALUMNI COLLEGE

The Ohio State University has been a pioneer in the "alumni college" movement in higher education, undoubtedly becoming a significant aspect of adult education in this country. Organized alumni interest in the institutions

of higher learning has been developed in America as nowhere else in the world. There is no parallel for it in Germany, or France, Italy, or Great Britain, despite the great antiquity and prestige enjoyed by the universities of those lands.

Springing originally from the social motive of comradeship in the common experiences of undergraduate days, alumni organizations in America soon developed the motive of aid and support of Alma Mater; and the material growth of physical resources in American colleges and universities can be attributed in substantial part to the loyalty and generosity of their graduates and former students.

Following the World War the alumni movement came into its third phase with an emphasis upon the importance of continuing educational relationships between the universities and their alumni. Interesting enough, it was not the Universities but the alumni themselves who brought this new purpose to the fore. The movement was first launched by the American Alumni Council whose present president is Mr. John B. Fullen, alumni secretary of the Ohio State University—and the leadership of Mr. Fullen in urging and aiding the alumni college program at this University is recognized and commended.

The first Ohio State University Alumni College was launched at Commencement time in 1933 under the energetic auspices of the College of Arts and Sciences. The two-day program attracted a registered attendance of 263, twenty-six of whom came from outside of the state and 81 from outside Columbus, to hear and to study with ten leading teachers who were selected from the faculty to lecture and who volunteered their services.

Encouraged by this unexpectedly large initial response and by the enthusiastic appeal for continuance of the program, the Alumni College this year was expanded to include a faculty of 18, with an enlarged scope of courses built around the general theme of "New Points of Departure in 1934." The school was held on June 7-8, 1934, immediately preceding "Alumni Day" in the Commencement season.

Despite sweltering weather, this year's alumni attendance mounted to more than four hundred, and there is now the settled conviction among the University staff that the Alumni College will become a fixed part of the University's educational program.

Alumni appreciation of the enterprise is well epitomized in the following letter received from Mr. B. J. Schwendt, assistant signal engineer of the New York Central Railroad, Cleveland, who came to the campus with Mrs. Schwendt to profit by the program:

Mrs. Schwendt and I managed to put in full time on four lectures a day, as scheduled, and of course, on account of the triple schedule, we were able to take in only one-third of what was available. In both our opinions it was very much worth while from beginning to end. The opportunity for discussion after each lecture gave everyone the chance to get the best results and in most of the lectures we attended, the discussion was going strong when the bell sounded.

Alumni who desired it were housed in University dormitories at low rates. The recreational facilities of the University, including the swimming pools and tennis courts, were made available to them. They were guests at an "open house" in the Faculty Club with Dean Walter Shepard of the College of Arts and Sciences as the speaker: and were likewise guests of the Alumnae Council at an afternoon reception and tea.

The college was in session from 9 A. M. to 4 P. M., daily, with three lectures running concurrently. The lecture and class program comprised the following:

- "The Crisis in European Government and International Politics"—Professor Walter L. Dorn, Department of History.
- "High Stakes in the Game of International Trade and Finance"—Professor Clifford L. James, Department of Economics.
- "More Realism in the Law"—Professor Robert E. Mathews, College of Law.
- "Can Crime Be Controlled?"—Professor Norman D. Lattin, College of Law.
- "Taxation Policies in Ohio, Yesterday, Today, Tomorrow"—Professor Clarence D. Laylin, College of Law.
- "The Future of the New Deal"—Doctor Spurgeon Bell, Bureau of Business Research.
- "New Ideals in an Awakening World"—Dean Walter J. Shepard, College of Arts and Sciences.
- "The Artist at Work: a Demonstration of Pottery Making"—Professor Arthur E. Baggs, Department of Fine Arts.
- "The Artist at Work: a Demonstration of Portrait Painting"—Professor Guy Brown Wiser and Professor Hoyt L. Sherman, Department of Fine Arts.
- "Recent Trends in the Theatre"—Professor Herman A. Miller, Department of English.
- "A Few Significant Figures in the Contemporary French Novel"—Professor Robert E. Rockwood, Department of Romance Languages.
- "Is There a New Ethics?"—Professor Albert E. Avey, Department of Philosophy.
- "Heredity and Modern Life"—Professor Laurence H. Snyder, Department of Zoology and Entomology.
- "Trends in Clinical Psychology"—Professor Henry H. Goddard, Department of Psychology.
- "Heavy Water"—Dean William McPherson, Graduate School.
- "Synthetic Drugs"—Professor Cecil E. Boord, Department of Chemistry.
- "The Interior and the Surface of the Earth—the Modern Geologist's View"—Professor Edmund M. Spieker.

Professor Don Demorest of the Department of Romance Languages was the chairman and Mr. Howard L. Hamilton, secretary of the College of Arts and Sciences, was the secretary of the efficient committee which conducted this year's Alumni College in cooperation with the Ohio State University Association, official organization of the alumni.

THE OHIO EMERGENCY JUNIOR RADIO COLLEGE

The University takes pride and satisfaction in the contribution it was able this year to make to the Ohio Emergency Schools Administration conducted by the federal government through the Relief Commission of Ohio. Here was another instance of the University's ready response to requests for assistance to the relief and recovery programs of the national administration in these critical times.

Mr. Edwin S. Burdell, capable executive of the Ohio Emergency Schools Administration, was made available for the work by leave of absence from his position on the University faculty. The University, asked by the State Relief Commission and the State Department of Education to cooperate in establishing a radio junior college, provided the necessary broadcasting facilities through WOSU; supplied all the instructors for the radio college through volunteer service of regular faculty members; and furnished office space and equipment in the new Physical Education Building for the administration of

the college. A supervisory faculty committee consulted with Mr. Burdell, Mr. Ben Darrow of the State Department of Education, and Mr. A. Lee Henderson, director of the school, in setting up and putting on the program.

Courses in elementary French, English Literature, Political Science, and elementary Spanish were broadcast during the Winter Quarter, 1934; in the Spring Quarter the Spanish course was continued and new courses undertaken in European History, Psychology, and English.

The report of the Emergency Schools Administration states that 1737 individuals were enrolled as listeners for a total of 3447 course hours. Sixty-seven per cent of these were high-school graduates. The Ohio State University and other members of the Ohio College Association approved an arrangement whereby limited college credit for the radio courses might be secured by the students provided they later registered as regular college students and passed examinations upon the work covered.

The range of University service in this radio college was not limited, of course, to those formally enrolled in the local communities in listener-groups for formal study. The radio station received many letters from other listeners who heard the broadcasts more or less regularly and who were furnished with mimeographed study materials prepared by the teachers.

Results of the radio college experiment will be studied by the University for guidance in the further development of useful educational service through WOSU to the people of Ohio.

FEDERAL AID FOR STUDENTS THROUGH PART-TIME EMPLOYMENT

Having attempted through establishment of the Tower Club to aid deserving students hard hit by the depression, the University sought new ways to make possible college attendance for larger numbers of young people who were either kept at home by lack of funds or were likely to be forced out of college for the same reason.

In December, 1933, Professor C. C. Stillman of the Department of Social Administration and J. L. Morrill, vice-president of the University, went to Washington to confer with federal authorities on this problem. In conference with Mr. Harry L. Hopkins, Federal Emergency Relief Administrator, and Mr. George F. Zook, United States Commissioner of Education, the University representatives urged alternative proposals which had been prepared in detail by faculty committees here: (a) an allotment of federal funds for loans to students, administered by the colleges and universities of the country; or (b) a nation-wide extension of the federal-financed experiment just previously set up at the University of Minnesota whereby part-time employment was provided for needy students.

They were advised that the latter proposal was under consideration; and in February, 1934, the government announced that funds had been allotted for the part-time employment of approximately 100,000 young men and women to be selected and supervised by the accredited institutions of higher learning in all the states.

The institutions were to create new jobs for students who, except for this aid, could not attend college. Each institution was authorized to provide employment for 10 per cent of its total enrollment as of October 15, 1933; the students were to earn not less than \$10 nor more than \$20 per month, working not more than 8 hours per day or 30 hours per week; funds were to be allotted at an average of \$15 per month per student; and the numbers of men and women employed were to be proportionate to the respective numbers of each

enrolled in school. Administration of the program was vested in the various state relief commissions.

Faculty and administrative committeemen were immediately appointed to conduct the campus program which was in operation by February 14. These committeemen undertaking the task in addition to their regular duties, worked days, nights and Sundays with the greatest enthusiasm and industry. The committee to handle financial details in cooperation with the Relief Commission of Ohio was headed by Mr. Carl E. Steeb, business manager of the University. The committee given the assignment to devise an employment program and to allot the funds therefor was headed by Professor W. H. Cowley of the Bureau of Educational Research. Responsibility for the careful selection of students worthy to receive aid was assigned to a committee headed by J. L. Morrill, vice-president. These three chairmen, together with the President, formed the executive committee to determine all policies.

College secretaries, faculty members, junior deans, the deans of men and women, the Ohio Union employment secretary and others were mobilized by Mr. Bland L. Stradley, vice-chairman of the Student-Selection committee, to interview and select the students needing aid. Students applying were provided with forms upon which business men, pastors, school men, and others familiar with family finances in the home community might certify as to their need. County agents of the State Relief Commission were asked in some cases to investigate and make report on the validity of student applications. College deans and advisors were asked for statements regarding the academic record and qualifications of the applicants. School superintendents and principals were circularized with the request to nominate needy and deserving applicants from their home communities, and former students who had been forced to drop out of college because of finances were given the opportunity to apply for readmission and self-help.

By these means the University's quota of 933 students (648 men and 285 women) was quickly but carefully selected. Fifty-three counties, well distributed throughout the state, represented the area of home communities from which the students selected were chosen.

Wages paid ranged from 30 to 50 cents per hour, the average for the five months during which the program was authorized being 38 cents. A total amount of \$45,005.71 was paid to the students during the period for a total of 118,893 hours of work. Although the total monthly quota of students employed could not exceed 933, those originally selected were replaced from time to time by others adjudged perhaps more deserving; some students did not need the full five-months period of work and voluntarily yielded their places to others; some even with this aid were forced to withdraw from college. For these reasons the University was enabled actually to provide employment aid from federal funds to a total of 1272 students during the operation of the plan.

All departments and divisions of the University were offered the opportunity to receive assistance in their work by providing new employment for the students. Specifically, 91 officers and areas of University service received money allotments. Although the number and variety of work projects considerably exceeded the 91 agencies which served as employment centers, the students were assigned in general to seven major types of work. Taking the month of May, 1934, as typical:

One hundred and seventy men and 24 women were employed as laboratory assistants; 104 men and 46 women served as research assistants; 44 men and

33 women did library work; 24 men and 14 women worked as readers, assisting professors; 155 men and 136 women were busy in departmental offices as typists, stenographers, and clerks; 141 men and 29 women were employed on the University farms, in the shops, and in other special maintenance work on the campus; 8 men and 5 women assisted in WOSU broadcasting.

Individual projects upon which these students worked not only assisted the University in getting work done which could not otherwise have been financed, but also provided educational experience of great value for the students in many cases, in addition to needed financial aid. Typical of such projects were research enterprises on "heavy water" in Chemistry, spectroscopy in Physics, and magnetic fields in Electrical Engineering.

The University wishes to acknowledge with appreciation the assistance and cooperation of Major E. O. Braught, executive director of the State Relief Commission, and his assistant in charge of the college program, Mr. Dean Snyder. The University, moreover, impressed with the benefits of the plan both to the students and the institution and in hearty accord with the social philosophy which underlies it, expresses its happiness in the decision of the federal government to continue the program during the college year 1934-35.

GOVERNMENT ASSISTANCE THROUGH C.W.A., F.E.R.A., P.W.A., AND C.W.S.

Essential University construction and maintenance have been made possible during the year through money grants and assignment of relief workers by the federal government.

Among such projects the largest were C.W.A. undertakings on the University campus as follows: for grading, landscaping, Olentangy River clean-up, \$16,393; for construction of a transformer pit and the installation of service lines, \$8,722; for cleaning and washing of interior walls in University buildings, \$9,584; for painting building interiors \$12,110; for remodeling and interior construction of the Armory and United States Artillery stables, \$12,121. These allotments covered both labor and materials, including trucking on the first two projects. The Armory and artillery stables project required additional sums for materials which were granted through United States Army channels rather than directly to the University.

F.E.R.A. projects, being in some cases simply a continuance of original C.W.A. grants, were authorized in the following amounts: Olentangy River clean-up, \$7,246; transformer pit, \$2,463; cleaning and washing building interior walls, \$4,386; painting and repairs to buildings, \$605; repair of bridge coping, \$497; Armory and artillery stables, \$5,879.

The above allotments cover work up to and including July 1, 1934.

Intermittently during the year workers on federal relief employment and city relief have been assigned to the University through C.W.A., C.W.S. and F.E.R.A., in addition to the projects above described and not including students aided by the government's part-time employment college program elsewhere reported. Much needed work, postponed for lack of usual funds, was thus carried on.

Upon application of the University, the federal Public Works Administration authorized on March 8, 1934 an outright grant of \$48,000 to supplement University funds for dormitory construction. The project is two-fold, providing an extension of Mack Hall, women's dormitory, to accommodate 55 girls in addition to those now housed in the Hall; and enlarging the Tower Club facilities at the Ohio Stadium to provide space for 100 more boys.

CITIZENS' CONFERENCE ON THE CRISIS IN EDUCATION

No undertaking of the University in recent years has attracted more attention, and none has deserved more, than its organization and administration of the great "Citizens' Conference on the Crisis in Education" held in Columbus, April 5-7, 1934.

From the beginning, the University has been fully aware of its vital partnership with the public schools in the responsibility of the state for public education. Former President Canfield years ago made striking declaration of this attitude in his oft-quoted statement to the effect that the state university may be thought of as grades 13, 14, 15 and 16 of the public-school system of Ohio. The University's desire to aid the public schools has been manifested in many directions through the years—through leadership in the professional training of teachers, through expert assistance to the State Department of Education, and otherwise.

A notable example, in this connection, has been the University's sponsorship, during the past 13 years, of an annual educational conference on the campus for the school people of the state. This conference has become nationally famous, attracting to Columbus each year in April some 6,000 to 7,000 teachers, administrators and school-minded laymen who have come to hear the addresses of scores of the outstanding educators of this country and even of other lands, bringing their best thought to bear upon all levels and problems of learning, ranging from the nursery schools to the more erudite divisions of higher education. During all of these years the permanent chairman and planner of these meetings has been Dean George F. Arps of the College of Education.

Challenged by the threatened collapse of an adequate program of public education in the United States, because of the depression with its dwindling public revenues and the seeming indifference or unawareness of the public as to the plight of the schools, Dean Arps projected a conference this year that would awaken the citizens of the nation to the dangers menacing the very structure of democratic American society. The conference, he felt, must make its appeal to the layman rather than to the professional educator as in former years. In building the program Dean Arps traveled thousands of miles to obtain the cooperation of nationally known leaders in public life for his plan and to secure their consent to come to the conference as speakers.

In this endeavor Dean Arps was successful. It was a distinguished group of speakers who, in a series of four meetings held in Memorial Hall downtown, spoke to an aggregate attendance of more than 17,000 people, and with masterly addresses focused the attention upon the crisis confronting education.

On the night of April fifth, with Governor George White presiding, Governor Paul V. McNutt of Indiana spoke forcefully upon the theme of "The State's Obligation to Its Youth." Governor McNutt was followed by President Glenn Frank of the University of Wisconsin who presented with characteristic brilliance and power an address on "Balanced Budgets and Unbalanced Lives."

On Friday morning, April sixth, Federal Judge Walter C. Lindley of Illinois introduced Mr. L. J. Taber, Master of the National Grange, whose topic was "Education and Rural Community Life," and United States Senator Royal D. Copeland of New York who spoke on "Education and Crime." In the afternoon with United States Commissioner of Education George F. Zook as presiding officer, the speakers were Doctor John H. Finley, associate editor of the *New York Times*, and Mrs. Franklin D. Roosevelt. Despite a steady down-

pour of rain many thousands of would-be listeners were turned away. Doctor Finley's topic was "Education and the Future of America," and Mrs. Roosevelt's "Teachers and Their Proper Training."

The final meeting on Friday evening was presided over by Doctor Frank P. Graves, Commissioner of Education for the State of New York, who read a paper specially prepared for the conference by former Governor Alfred E. Smith of New York, entitled "Education and Government." Mr. Newton D. Baker, chairman of the Ohio State University Board of Trustees and long distinguished in public life, spoke on "Making Men of Boys." Mrs. Dorothy Canfield Fisher, famed American author, daughter of former President Canfield and herself a graduate of the University, had been scheduled to appear on the program but was kept at her home in Vermont at the last moment by illness. Her able paper, entitled, "What Parents Can Do," was read by a member of the faculty.

Saturday, April seventh, following the Citizens' Conference, was devoted to sessions at the University intended especially for professional school people and devoted mainly to a practical interpretation of the problems raised by the speakers during the previous two days. In addition to 37 sectional meetings of strictly professional interest, four general sessions were held addressed by speakers upon the following topics: "The Administration of School Systems during the Depression," by Mr. Paul C. Stetson, superintendent of Indianapolis schools and president of the Department of Superintendence, National Education Association; "Legislation and Finance during the Depression," by Doctor George D. Strayer of Teachers College, Columbia University; "Crime and Delinquency during the Depression," by Professor H. H. Goddard of the Department of Psychology, Ohio State University; and "The Curriculum during the Depression," by Doctor C. H. Judd of the University of Chicago.

FARMERS' WEEK

The College of Agriculture renders many kinds of service to the farming people of Ohio out in the communities, but for many years it has also invited rural people to the campus annually in the month of January to attend what is popularly known as the Farmers' Week. The program is always featured by men and women eminent in agricultural work, in the service of the federal government or that of the state, or in the educational work of the various agricultural colleges of the country, and the program is always very widely varied and contains stimulus for all visitors, no matter what their particular interests may be. The program is too long for more than a reference at this point, but generally it may be said that it contains numerous lectures, conferences, discussions, demonstrations of many kinds, exhibitions of equipment and supplies for farms, and a generous sprinkling of social and recreational affairs. In good winter weather the attendance has in the past gone to 7,000 people in the week, but during the last month of January the weather was intensely cold and the attendance suffered accordingly. However, the attendance for the week was 4,718.

The farm people of Ohio feel perfectly at home on the University campus and take keen interest and pride in what the University is doing, not only in the agricultural area but in all of its many types of activity, and it may be added that the farm people of Ohio still send a larger number of students to the University than does any other occupational group in the state. The attendance at every Farmers' Week is widely representative of the counties of the state and all important agricultural interests are served.

A new and very interesting feature of the last Farmers' Week was the awarding of formal "Service Certificates" for long-continued service as speakers before county institutes. Nineteen persons, whose names stand at the top of those who have enthusiastically and effectively labored for the improvement of farming and farm life in Ohio, were awarded certificates in a special session which heard with great interest Director Ramsower, Dean Cunningham, and Ohio's pioneer in agricultural extension service, A. B. Graham. The President was invited to confer these "degrees of distinction."

It is not possible to give exact appraisement of the Farmers' Week, but it is recognized widely as one of the great services rendered to Ohio agriculture by the University; through the years it has grown to be a most important agency for bringing the University intimately and helpfully into the lives of the rural people.

THE VETERINARY CONFERENCE

Veterinary education is carried on in ten colleges in the United States, two in the Dominion of Canada; the attendance in each of these colleges, therefore, is likely to come from a wide area, in the case of the Ohio State University covering several states. Hence our graduates are found in the neighboring states as well as very generously distributed over the state of Ohio. Steady and important advancement is being made in the field of Veterinary Medicine through the research department set up in most of these colleges and particularly the research activities carried on here. It is deemed to be a function of the College of Veterinary Medicine to keep the practitioners out in their local communities well advised of the progress in veterinary medicine so that the farming communities and the live-stock interests of the state may have the advantage of the advance in knowledge and in the improvement in technique. For a number of years annually the College has been holding a Veterinary Conference, at which a program of lectures, discussions, clinics, demonstrations, and moving pictures bring to the veterinarians assembled whatever is wisest in improved technique and whatever is soundest and most practicable of the new information in veterinary science. These gatherings are always well attended by veterinarians who are very enthusiastic in bringing themselves up-to-date, and who of course find great satisfaction and happiness in renewing old acquaintances and making new ones. The social opportunities of such conferences are never neglected.

The program presented at the conference in March may be thought of as a typical one: there were speakers from the University of Minnesota, Michigan State College, New York State Veterinary College, Harvard University Medical School, the Department of Agriculture of Pennsylvania and of Ohio, besides our own faculty and practitioners. The attendance varies somewhat from year to year, but at the last conference there were present 380 veterinarians from sixteen states.

Our own Veterinary College is greatly benefited by its access to the former State Serum Plant near Reynoldsburg, Ohio, which is now under the general control of the Agricultural Experiment Station of the State; here the College of Veterinary Medicine has been cordially invited to prosecute research work. Important projects are going on there under the charge of the members of the faculty. A very progressive spirit dominates the College of Veterinary Medicine; not only through the college work carried forward at the University but by this annual conference, the college is able to give to this considerable

group of states a public service of great value to the farming and live-stock interests of Ohio and this section of the United States.

THE UNIVERSITY CARRIES ON

During the year the University operated with a much reduced staff and a pay roll reduced by \$550,000. These reductions went into effect July 1, 1933. Not many changes were made in the rank of Professor, or Associate Professor, or Assistant Professor, more were made in the rank of Instructor, and many more were made in the rank of Assistant, or Student Assistant, or Graduate Assistant. The effect of this reduction upon the character of the University's educational work has been carefully studied through the year, and it is evident that several injurious results were produced. The size of class sections has been considerably increased in many departments of work; for five years the University made strenuous and successful efforts to organize the classes into smaller sections so that the teacher and students would have a better opportunity for becoming acquainted and the personality and stimulus of the teacher might have individual outlet. Both the teaching and the learning were being greatly improved under this plan. The economies we have had to practice in the current year to a very great extent nullify the improvement in the dealings with students. In a large class the instructor finds it practically impossible even to know the names of all of his students, and the personal conferences and personal attention become a practical impossibility. Especially in the freshman year is such personal contact needed and highly beneficial, and the same condition prevails pretty largely in the sophomore year. Beyond that it is not such a vital matter although it is always important. Larger sections because there are fewer teachers have, therefore, necessarily resulted from the enforced economy program, and we are not being able to do for the first and second year students the kind of teaching and personal contact and counsel that we know to be most advantageous.

The load falling upon the teacher this year has been greater, and the customary reliefs obtained by having assistants, student assistants, and graduate assistants to help in the quiz work, in the grading of papers, and in the reading of reports, has not been available. Consequently the classroom load is heavier, and the teacher's office work in counseling with students and in reading reports and examination of manuscripts has greatly increased. Nor has the teacher in most cases been able to accomplish what the University should indispensably give in the way of collateral directions and counsel and in the guidance of students' reading. The teacher's work is not done when he steps out of the classroom; in fact it has just begun and much should be contributed by him in the way of conference and collateral advice and direction in the reading and study of the student outside of the classroom. If this part of the work becomes impossible then the results which the student should expect are only partial. It is clear from the year's experience that additional help is needed to reinforce the teaching in these ways.

The staff has been most industrious and enthusiastic but because of the lack of help, in many areas the teachers have become fagged during the year; the economic stringency has stripped the University academic and non-academic staff to a bare minimum, and commendable efficiency cannot long be maintained under these circumstances. Judicious additions to the staff would bring immense relief. People do not expect less of the University under these conditions; indeed the urge to expand University activities into new fields is

constantly being pressed. These proposals for new things are all meritorious and would be very helpful in the State if they could be undertaken. But surely the University must provide for those activities which it has already inaugurated and which it has deemed entirely meritorious and which have been carried on. Many of these have been reduced below the point of efficiency; any reinforcement in University support now should be applied in these areas where we are already functioning. Calls for extension of the University service inside and outside are difficult to resist, because everybody realizes and acts upon the theory that the University is here as a great service agency of the State of Ohio, and its efforts are not nearly exhausted by what it does on the campus. Continuous and increasing claims are made upon it for service outside all over the state and in many directions. These calls the University is loath to decline on any grounds. Where their merit is clear it is especially difficult to make an excuse. Excuse in these times is lack of funds. We trust that the economic conditions will so improve that it will soon be possible to render to the people of the state the educational services which they require and which the University was established to provide.

George W. Pritchett

President.

SUMMARY OF THE FINANCIAL STATEMENT FOR THE YEAR ENDING JUNE 30, 1934

[A complete detailed Financial Report of the year Ending June 30, 1934, is printed in separate form and may be had upon application.]

THE OHIO STATE UNIVERSITY OFFICE OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 3, 1934

HON. NEWTON D. BAKER,
*Chairman of Board of Trustees,
The Ohio State University.*

DEAR SIR:

The financial statement presented herein is that part of the Annual Report of the Board of Trustees to the Governor of Ohio, which shows the financial condition of The Ohio State University for the fiscal year ended June 30, 1934.

CARL E. STEEB,
Secretary.

CONSOLIDATED STATEMENT

BALANCE SHEET

ASSETS

CURRENT ASSETS

Cash in Bank and on hand.....	\$ 431,366.00	
Deposits	454.00	
Inventories	290,601.07	
State Appropriations	1,513,512.41	
		\$ 2,235,933.48

INVESTMENT ASSETS

State Treasurer	1,155,252.72	
University Treasurer	41,042.91	
		1,196,295.64

EDUCATIONAL PLANT

Lands	2,398,912.37	
Land Improvements	1,434,676.01	
Ohio Stadium	1,801,049.13	
Building	11,025,131.08	
Equipment of Departments	5,755,615.22	
		22,415,383.81
Total Assets		\$25,847,612.93

LIABILITIES

Current Liabilities	\$ 722,421.07	
Contingent Liabilities (State Appropriations)	1,513,512.41	
Endowment Fund Liabilities		
Funds for General Purposes	968,988.38	
Funds for Special Purposes	208,842.03	
		\$ 1,177,830.41
Trust Fund Liabilities	18,465.23	
Physical Plant Liabilities	22,415,383.81	
Total Liabilities		\$25,847,612.93

INCOME AND EXPENDITURES

Cash Balance July 1, 1933.....	\$ 519,687.37	
Total Income for year	\$ 5,827,819.76	
Less funds paid to State Treasurer and not available for the University	3,595.14	
Total Available Income	\$ 5,824,224.62	
Total Expenditures for year	5,912,545.99	
Amount used from Reserve	\$ 88,321.37	
Cash Balance June 30, 1934.....	\$ 431,366.00	

INCOME

<i>Description</i>	<i>Items</i>	<i>Total</i>
INCOME FROM STUDENTS:		
Tuition and incidental fees	\$ 709,907.80	
Special fees, degrees, etc.	13,246.00	
Gymnasium locker rent	8,669.00	
		\$ 731,822.80
INCOME FROM ENDOWMENTS:		
For general purposes	13,045.88	
For designated purposes	10,864.49	
		23,910.37
FEDERAL AID:		
Land-grant Act of July 2, 1862.....	31,450.60	
Land-grant—Virginia Military Lands.....	13,642.84	
Additional Aid—Acts of Aug. 30, 1890, and March 4, 1907.....	50,000.00	
Agricultural Extension Work—Acts of May 8, 1914, July 24, 1919, and January 17, 1928	296,328.49	
		391,421.93
STATE AID:		
Current Expenses	2,797,686.93	
Capital Improvements		
Agricultural Extension	219,569.44	
		3,017,256.37
GIFTS FOR CURRENT EXPENSES:		
For designated purposes	50,261.85	
		50,261.85
INCOME FROM OTHER SOURCES:		
<i>Agricultural Extension—</i>		
Boys' and Girls' Club Work	2,166.60	
County Agents' Funds from Counties.....	168,103.09	
Farmers' Institute Funds from Counties	14,175.00	
Rotary	1,462.70	
		185,907.39
<i>Departmental Earnings—</i>		
Applied Optics	3,016.35	
Clinics	3,237.03	
Dental Clinic	22,264.78	
Dispensaries	3,269.62	
Engineering Experiment Station	190.88	
Farm Rotary	69,792.61	
Lantern	7,771.69	
Laundry	1,615.22	
Ohio Biological Survey	166.25	
Starling-Loving Hospital	135,406.17	
University Publications	3,854.82	
Veterinary Clinic	7,561.40	
		258,146.82
<i>For Designated Purposes—</i>		
Class of 1931—Interest on Gift.....	11.09	
Commutation of Uniforms	20,948.67	
*Miscellaneous Sales	3,595.14	
Return of Loans	1,021.99	
State Board of Education (Smith-Hughes).....	38,605.42	
Student Activities	17,524.00	
Student Medical Service	33,341.00	
Tutorial Fees	1,485.00	
		116,532.31
Total Educational and General.....		\$ 4,775,259.84

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DORMITORIES AND DINING HALLS:

Pomerene Refectory	\$ 26,352.73	
Residence Halls for Women	122,778.07	
Stone Laboratory Dining Hall	1,931.40	
Tower Club	6,276.12	
University Schools Dining Hall	12,229.17	
Grace Graham Walker House	2,144.14	
		171,711.63

COMMERCIAL ACCOUNTS:

Book Store	89,353.34	
Meat Department	16,975.29	
Photograph Department	6,904.89	
Print Shop	72,477.38	
Telephone Account	24,711.75	
Warehouse	405,420.09	
		615,842.74

SUBSIDIARY COMMERCIAL ACCOUNTS:

Dairy Department—Official Testing	5,390.27	
Journal of Higher Education	4,465.70	
Ohio College Association	3,606.19	
		13,462.16

ATHLETIC DEPARTMENT

.....	251,543.39	251,543.39
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Total Income		\$ 5,827,819.76
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Less funds (*) paid to State Treasurer and not available for the University		\$ 3,595.14
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Total Available Income		\$ 5,824,224.62
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CLASSIFIED EXPENDITURES

EXPENSES:

Salaries	\$ 3,733,881.80	
Wages	111,612.22	
Other Services	24,787.25	
Boys' and Girls' Club Work	2,068.83	
Coal and Gas	114,732.80	
Feeding Supplies	18,195.43	
Field Work—Agricultural Extension	100,967.27	
Food Supplies	52,808.17	
Freight and Cartage	5,420.63	
General Supplies	120,437.16	
Light, Power, Water	35,594.23	
Medical and Hospital Supplies	61,427.42	
Printing	49,743.58	
Refunds—Military Uniforms	23,815.30	
Rent	16,796.49	
Repairs to Equipment	15,692.12	
Scholarships and Student Aid	14,829.16	
Scientific and Educational Supplies	66,987.08	
State Teachers' Retirement Fund	47,812.17	
Stationery and Office Supplies	70,268.30	
Telephone and Telegraph	29,287.17	
Travel	11,245.69	
Not elsewhere Classified	25,475.49	
Total Expenses		\$ 4,753,885.76

EQUIPMENT:

Apparatus	28,179.51	
Books	46,092.81	
Furniture and Office Equipment	16,257.72	
Livestock	3,207.61	
Machinery and Tools	18,268.11	
Total Equipment		112,005.76

THE OHIO STATE UNIVERSITY

NEW BUILDINGS	1,469.62	
ADDITIONS TO BUILDINGS	4,808.57	
IMPROVEMENTS	6,145.22	
Total		12,423.41
Total Educational and General		\$ 4,878,314.93
DORMITORIES AND DINING HALLS:		
Pomerene Refectory	25,085.66	
Residence Halls for Women	100,869.77	
Stone Laboratory Dining Hall	2,008.51	
Tower Club	5,832.24	
University Schools Dining Hall	11,213.03	
Grace Graham Walker House	2,450.94	
Total Dormitories and Dining Halls		147,460.15
COMMERCIAL:		
Meats Department	16,362.89	
Photograph Department	5,642.24	
Telephone Account	26,540.84	
University Bookstore	88,522.45	
University Print Shop	60,042.73	
Warehouse	420,914.33	
Total Commercial		618,025.48
SUBSIDIARY COMMERCIAL:		
Dairy Department—Official Testing	5,300.76	
Journal of Higher Education	4,521.32	
Ohio College Association	3,707.24	
Total Subsidiary Commercial		13,529.32
ATHLETIC DEPARTMENT		255,216.11
Total Expenditures		\$ 5,912,545.99

BALANCE SHEET

JUNE, 30, 1934

ASSETS

CURRENT ASSETS:		
Cash in bank and on hand for current expense	\$	431,366.00
Deposits		454.00
Inventories		290,601.07
Auditor of State, Special Appropriation		1,513,512.41
INVESTMENT ASSETS:		
State Treasurer (irreducible debt of the State)	\$	1,155,252.73
Ohio State University Treasurer		41,042.91
EDUCATIONAL PLANT:		
Lands, Buildings, and Equipment		22,415,383.81
Total Assets		\$25,847,612.93

LIABILITIES

CURRENT LIABILITIES	\$	722,421.07
CONTINGENT LIABILITIES:		
Special State Appropriations		1,513,512.41
ENDOWMENT FUNDS:		
Funds for General Purposes, Invested	\$	968,988.38
Funds for Special Purposes, Invested		208,842.03
TRUST FUNDS	\$	18,465.23
PHYSICAL PLANT LIABILITIES		\$22,415,383.81
Total Liabilities		\$25,847,612.93

GIFTS FOR GENERAL AND DESIGNATED PURPOSES

The following items are turned into the State Treasury to the credit of Rotary Funds for use by the University:

<i>From Whom</i>	<i>Purpose</i>	<i>Amount</i>
Seth Adams	Scholarship in Animal Husbandry.....	\$ 78.25
American Manganese Steel Company.....	Research in metal wear	200.00
Everitt Antrim	Fellowship in Dairy Technology.....	100.00
Bethlehem Steel Corporation.....	Research in metal wear	200.00
Bonney Floyd Company.....	Research in metal wear	200.00
Brookings Institute	Study of effects of NRA on manufacturing industries in Ohio.....	2,500.00
Climax Molybdenum Company.....	Research in metal wear	200.00
Columbus Scholarship Society.....	Student Loan Fund	450.00
Dairy and Ice Cream Association.....	Fellowship in Dairy Technology.....	750.00
Delco Appliance Corporation.....	Fellowship in Engineering	300.00
Detroit Alumnae	Student Loan Fund	87.35
E. I. du Pont de Nemours Company.....	Fellowship in Agronomy	750.00
Oscar Erf	Fellowship in Dairy Technology.....	300.00
Firestone Tire & Rubber Company.....	Study of friction of tires on pavements...	500.00
Graduate Students	Publication of Doctors' Dissertations.....	6,342.59
Home Economics Nursery	Purchase of equipment	1,939.80
Hoover Company	Fellowship in Bacteriology	750.00
International Nickel Company	Research in metal wear	200.00
Eli Lilly Company	Purchase of Spectograph	1,000.00
Metropolitan Paving Brick Association....	Paving Brick Investigation	1,700.00
Thomas Midgley, Jr.	Purchase of Spectograph.....	600.00
National Academy of Science.....	Purchase of Spectrograph.....	200.00
National Aluminate Corporation.....	Fellowship in Chemistry	900.00
National Electric Light Association.....	Rural Electrification Project.....	2,020.44
National Fireproofing Company	Research in Engineering.....	255.00
National Research Council	Purchase of equipment	500.00
Neil Hall Students	Student Loan Fund	174.98
Ohio Academy of Science.....	Purchase of Spectrograph	100.00
Ohio Coal Investigation	Research in Engineering	60.00
Ohio Congress of Parents and Teachers....	Educational Conference Program.....	50.00
Ohio Federation of Women's Clubs.....	Pan-American Scholarship	800.00
Ohio Public Health Association.....	Fellowship in Sociology	225.00
Ohio State University Women's Club.....	Student Loan Fund	134.32
Payne Fund, Incorporated	Research in College of Education.....	19,800.00
Pittsburgh Alumnae	Student Loan Fund	50.00
S. M. A. Corporation.....	Research in Vitamin A and Infection....	75.00
Mrs. R. H. Simpson	Robert H. Simpson Memorial Prize.....	125.00
Social Science Research Council.....	Research in College of Arts.....	300.00
Springfield Alumnae	Student Loan Fund	25.00
Steubenville Alumnae	Student Loan Fund	5.00
Students in the University.....	Purchase of books for the Library.....	53.00
Students in the University.....	Grace Walker Memorial	229.40
Tabulating Machine Company.....	Purchase of equipment.....	600.00
Charles Taylor Sons Company.....	Fellowship in Engineering.....	333.34
Timken Roller Bearing Company.....	X-Ray Research in Chemistry.....	3,550.00
Tobacco By-Products Company.....	Research in Veterinary Medicine.....	48.82
Uhrichville Sewer Pipe Company.....	Research in Engineering	300.00
Union Carbide and Carbon Company.....	Research in metal wear	200.00
Total.....		\$50,261.85

APPENDIX I

SUMMARY OF ENROLLMENT BY CLASSES AND COLLEGES—YEAR 1933-1934 (Without Summer Quarter)

	FRESHMAN			SOPHOMORE			JUNIOR			SENIOR			SPECIAL			IRREGULAR			TOTAL		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Agriculture	156	97	253	97	89	186	89	95	184	131	82	213	2	2	4	2	3	5	477	368	845
App. Optics	17	2	19	29	....	29	18	....	18	13	....	13	....	....	....	4	....	4	81	2	83
Arts	458	201	659	373	137	510	250	108	358	224	116	340	5	11	16	16	16	32	1,326	589	1,915
Arts-Education	4	7	11	3	4	7	12	22	34	13	29	42	....	....	....	....	....	....	32	62	94
Commerce	427	142	569	351	135	486	273	101	374	301	83	384	12	5	17	5	4	9	1,369	370	1,839
Education	144	311	455	137	284	421	137	270	407	150	296	446	6	24	30	50	134	184	624	1,319	1,943
Engineering	257	1	258	397	2	399	272	....	272	271	2	273	12	....	12	12	1	13	1,221	6	1,227
Pharmacy	51	3	54	41	5	45	29	5	34	23	....	23	1	....	1	7	....	7	152	13	165
Vet. Medicine.....	64	....	64	79	4	83	52	....	52	32	....	32	....	....	....	10	....	10	237	4	241
	1,578	764	2,342	1,507	660	2,167	1,132	601	1,735	1,158	608	1,766	38	42	80	106	158	264	5,519	2,833	8,352

PROFESSIONAL COLLEGES

Dentistry	52	2	54	48	....	48	56	1	57	40	....	40	....	....	....	....	....	....	196	3	199
Law	115	5	120	70	2	72	56	1	57	....	....	....	....	....	....	....	....	....	241	8	249
Nursing .....	....	15	15	....	11	11	....	23	23	....	....	....	....	....	....	3	3	....	....	52	52
Medicine	100	2	102	87	4	91	84	2	86	85	3	88	....	....	....	....	....	....	356	11	367
	267	24	291	205	17	222	196	27	223	125	3	128	....	....	....	....	3	3	793	74	867
Total.....	1,845	788	2,633	1,712	677	2,389	1,328	628	1,956	1,283	611	1,894	38	42	80	106	161	267	6,312	2,907	9,219
Graduate School																			903	369	1,272
Less Duplicates in Graduate-Medicine.....																			7,215	3,276	10,491
																			11	3	14
																			7,204	3,273	10,477

ENROLLMENT OF STUDENTS FOR THE YEAR 1933-1934 (With Summer Quarter)

	ACADEMIC YEAR			SUMMER QUARTER			TOTAL ACADEMIC YEAR AND SUMMER QUARTER			SUMMER QUARTER DUPLICATES			FISCAL YEAR		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Agriculture	477	368	845	38	80	118	515	448	963	27	35	62	488	413	901
Applied Optics	81	2	83	12	.....	12	93	2	95	6	.....	6	87	2	89
Arts and Sciences	1,326	589	1,915	206	110	316	1,532	699	2,231	117	65	182	1,415	634	2,049
Arts-Education	32	62	94	13	17	30	45	79	124	4	13	17	41	66	107
Commerce	1,369	470	1,839	152	47	199	1,521	517	2,038	96	30	126	1,425	487	1,912
Dentistry	196	3	199	2	.....	2	198	3	201	2	.....	2	196	3	199
Education	624	1,319	1,943	262	662	924	886	1,981	2,867	87	203	290	790	1,778	2,577
Engineering	1,221	6	1,227	187	.....	187	1,408	6	1,414	152	.....	152	1,256	6	1,262
Law	241	8	249	.....	.....	.....	241	8	249	.....	.....	.....	241	8	249
Medicine	356	11	367	13	1	14	369	12	381	9	1	10	360	11	371
Nursing .....	.....	52	52	.....	45	45	.....	97	97	.....	32	32	.....	65	65
Pharmacy	152	13	165	18	2	20	170	15	185	10	1	11	160	14	174
Veterinary Medicine	237	4	241	13	1	14	250	5	255	12	1	13	238	4	242
Graduate School	903	369	1,272	1,044	459	1,503	1,947	828	2,775	290	91	381	1,657	737	2,394
TOTAL	7,215	3,276	10,491	1,960	1,424	3,384	9,175	4,700	13,875	812	472	1,284	8,263	4,228	12,591
Less Duplicates	11	3	14	2	.....	2	13	3	16	.....	.....	.....	13	3	16
	7,204	3,273	10,477	1,958	1,424	3,382	9,162	4,697	13,859	812	472	1,284	8,350	4,225	12,575
Students who changed Colleges .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65	42	107	65	42	107
TOTAL	7,204	3,273	10,477	1,958	1,424	3,382	9,162	4,697	13,859	877	514	1,391	8,285	4,185	12,468
Commerce Extension .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	430	84	514
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,715	4,267	12,982

YEAR SUMMARY—1933-1934
OF ENROLLMENT BY STATES AND COUNTRIES

<i>States</i>	<i>Academic Year</i>	<i>Summer Quarter</i>	<i>Summer Quarter Duplicates</i>	<i>Fiscal Year</i>
Alabama	5	3	1	7
Arizona	3	1	....	4
Arkansas	3	1	....	4
California	5	2	1	6
Colorado	1	2	....	3
Connecticut	24	3	1	26
Delaware .....	....	....	....	....
District of Columbia	10	2	....	12
Florida	3	4	1	6
Georgia	4	6	1	9
Idaho	3	2	1	4
Illinois	36	13	4	45
Indiana	64	13	7	70
Iowa	9	5	....	14
Kansas	3	6	2	7
Kentucky	12	6	1	17
Louisiana	2	2	....	4
Maine .....	....	1	....	1
Maryland	9	3	1	11
Massachusetts	30	6	5	31
Michigan	18	4	1	21
Minnesota	7	2	....	9
Mississippi	7	1	1	7
Missouri	4	7	1	10
Montana	3	3	2	4
Nebraska	9	1	1	9
Nevada .....	....	....	....	....
New Hampshire	6	4	1	9
New Jersey	71	5	2	74
New Mexico	2	....	....	2
New York	166	27	16	177
North Carolina	7	3	....	10
North Dakota	4	....	....	4
Ohio	9,707	3,137	1,313	11,531
Oklahoma	6	1	....	7
Oregon .....	....	....	....	....
Pennsylvania	101	25	8	118
Rhode Island	2	1	....	3
South Carolina	3	5	....	8
South Dakota	2	2	....	4
Tennessee	2	6	....	8
Texas	3	6	2	7
Utah .....	....	....	....	....
Vermont	3	....	....	3
Virginia	12	5	....	17
Washington .....	....	1	....	1
West Virginia	55	33	3	85
Wisconsin	12	5	3	14
Wyoming	2	1	....	3
Total States.....	10,440	3,366	1,380	12,426

ENROLLMENT BY STATES AND COUNTRIES (Cont'd.) YEAR 1933-1934

Countries	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Bermuda .....	....	1	....	1
Canada	1	1	1	1
Canal Zone	1	....	....	1
Czechoslovakia .....	....	1	....	1
Chili .....	....	1	....	1
China	13	7	6	14
England	2	1	1	2
France	2	....	....	2
Germany	3	....	....	3
Hawaii	3	....	....	3
Hungary	1	....	....	1
Japan	1	....	....	1
Korea	1	1	1	1
Nova Scotia	1	....	....	1
Philippine Islands	2	2	1	3
Porto Rico	3	....	....	3
South America	2	....	....	2
Turkey	1	1	1	1
Total Countries.....	37	16	11	42
Total States and Countries.....	10,477	3,382	1,391	12,468

ENROLLMENT IN OHIO BY COUNTIES—YEAR 1933-1934

	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Adams	13	4	1	16
Allen	73	36	10	99
Ashland	31	15	4	42
Ashtabula	51	17	2	66
Athens	26	21	4	43
Auglaize	52	8	5	55
Belmont	98	32	14	116
Brown	18	6	2	22
Butler	55	13	4	64
Carroll	21	6	1	26
Champaign	38	8	1	45
Clark	95	27	12	110
Clermont	20	6	3	23
Clinton	30	16	4	42
Columbiana	79	29	7	101
Coshocton	32	11	2	41
Crawford	71	40	16	95
Cuyahoga	825	130	62	893
Darke	32	23	9	46
Defiance	21	14	2	33
Delaware	47	63	20	160
Erie	61	17	7	71
Fairfield	128	43	18	153
Fayette	31	8	3	36
Franklin	4,132	1,203	648	4,687
Fulton	18	6	1	23
Gallia	34	25	7	52
Geauga	31	10	4	37
Greene	61	32	13	80
Guernsey	49	23	5	67
Hamilton	122	23	10	135
Hancock	48	34	9	73

ENROLLMENT IN OHIO BY COUNTIES (Cont'd.)
YEAR 1933-1934

	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Hardin	46	26	4	68
Harrison	24	7	4	27
Henry	19	8	4	23
Highland	37	11	2	46
Hocking	22	15	5	32
Holmes	14	8	3	19
Huron	42	19	5	56
Jackson	34	16	4	46
Jefferson	98	48	14	132
Knox	89	38	15	112
Lake	56	14	7	63
Lawrence	32	13	4	41
Licking	133	56	20	169
Logan	65	28	4	89
Lorain	87	31	3	105
Lucas	146	31	13	164
Madison	50	18	3	65
Mahoning	210	64	28	246
Marion	73	20	4	89
Medina	33	6	1	38
Meigs	26	12	3	35
Mercer	29	4	1	32
Miami	54	26	10	70
Monroe	26	5	3	28
Montgomery	202	70	28	244
Morgan	32	12	4	40
Morrow	30	14	6	38
Muskingum	108	45	13	140
Noble	26	14	5	35
Ottawa	14	8	4	18
Paulding	11	5	1	15
Perry	44	17	7	54
Pickaway	76	20	6	90
Pike	18	7	3	22
Portage	38	23	7	54
Preble	19	8	2	25
Putnam	19	14	5	28
Richland	80	18	8	90
Ross	59	20	7	72
Sandusky	51	13	4	60
Scioto	73	20	9	84
Seneca	47	23	5	65
Shelby	27	16	6	37
Stark	161	45	21	185
Summit	127	37	10	154
Trumbull	78	23	5	96
Tuscarawas	92	22	9	105
Union	62	30	8	84
Van Wert	37	15	5	47
Vinton	7	8	2	13
Warren	14	2	1	15
Washington	40	34	13	61
Wayne	72	29	9	92
Williams	28	13	5	36
Wood	30	30	4	56
Wyandot	27	9	7	29
Total	9,707	3,137	1,313	11,551

RELIGIONS OF STUDENTS—YEAR 1933-1934

	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Advent Christian	2	....	....	2
African Methodist	30	13	7	36
Agnostic	1	....	....	1
Anglican	1	1	....	2
Baptist	396	137	52	481
Brethren	27	19	7	39
Catholic	896	187	102	981
Christian	171	63	20	214
Christian Congregational	7	14	2	19
Christian Science	122	31	12	141
Church of God	10	7	1	16
Church of Christ	227	68	18	277
Community	99	15	12	102
Congregational	382	134	56	460
Covenant	1	....	....	1
Disciple	26	16	9	33
Dunkard	1	3	....	4
Episcopal	389	90	46	433
Evangelical	127	35	18	144
Evangelical Protestant	7	2	1	8
Federated	4	....	....	4
Friends	38	18	5	51
Greek Orthodox	8	1	1	8
Independent Protestant	2	....	....	2
International Bible Students	4	....	....	4
Jewish	786	59	41	804
Judaism	7	....	....	7
Latter Day Saints	9	3	....	12
Lutheran	549	193	78	664
Mennonite	18	14	3	29
Methodist Episcopal	2,653	1,036	345	3,344
Methodist Protestant	50	13	4	59
Southern Methodist	6	2	1	7
Moravian	8	1	....	9
Mormon	1	....	....	1
Nazarene	3	5	2	6
New Thought .....	....	1	....	1
Non-Sectarian	234	63	38	259
Presbyterian	1,286	474	171	1,589
Protestant	137	31	10	158
Protestant Episcopal	8	....	....	8
Reformed	137	50	15	172
Reformed Jewish	16	....	....	16
Roman Orthodox	1	....	....	1
Russian Orthodox	3	2	1	4
Serbian Orthodox	3	1	1	3
Seventh Day Adventists	4	10	2	12
Swedenborg	1	1	1	1
Syrian Orthodox	1	2	1	2
Union	8	4	2	10
Unitarian	18	9	5	22
United Brethren	182	71	21	232
United Presbyterian	100	44	21	123
Universalist	14	8	2	20
Zionist	2	....	....	2
None given	1,254	431	257	1,428
Total	10,477	3,362	1,381	12,468

OCCUPATIONS OF PARENTS AND GUARDIANS— YEAR 1933-1934

	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Accountants, Auditors, Cashiers, Clerks, etc...	301	62	48	315
Advertising	33	4	3	34
Apiarist .....	....	1	....	1
Architects, Draftsmen	35	9	5	39
Army and Navy	21	5	4	22
Artisans	9	....	....	9
Attorneys, Judges, Statesmen	174	34	12	195
Auctioneers	4	....	....	4
Authors and Writers	2	....	....	2
Automobile Dealers	24	5	4	25
Bakers, Confectioners	29	8	4	33
Bankers, Finance	93	19	5	107
Barbers, Beauty Culturists	50	8	2	56
Baseball Players	1	....	....	1
Blacksmiths	19	3	2	20
Bookbinders	5	1	....	6
Brokers, Investment Securities	22	8	5	25
Bricklayers	13	3	....	16
Business	187	72	25	234
Business Executives	423	89	28	434
Butchers, Meat Dealers	20	5	2	23
Carpenters, Cabinet Makers	72	24	6	90
Chauffeurs	6	1	....	7
Chefs, Cooks, Caterers	16	4	3	17
Chemists	21	2	2	21
Clergymen, Rabbi	157	90	33	214
Coal and Ice	36	3	3	36
Cigarmakers	3	....	....	3
Contractors	202	45	15	232
Dairymen	41	6	3	44
Decorators, Painters	39	8	1	46
Dentists	79	18	7	90
Designers, Commercial Artists	14	1	1	14
Detectives	4	1	....	5
Druggists, Pharmacists	85	16	10	91
Dry Cleaners, Pressers	21	1	....	22
Editors, Newspapermen	42	14	8	48
Electricians	39	8	6	41
Engineers, Professional	194	23	6	211
Engineers, Stationary	67	12	17	62
Farmers and Ranchers	1,043	469	147	1,365
Filling Station Operators	18	5	2	21
Fishermen	3	1	1	3
Florists, Gardeners	50	11	6	55
Foremen	98	24	20	102
Fruit Dealer	23	1	1	23
Furriers	18	1	1	18
Garage, Repairing	21	2	2	21
Gas and Fuel	12	1	1	12
Glassworkers	10	....	....	10
Government, State, County, City Employees..	315	70	41	344
Grain, Hay, Lumber	48	11	5	54
Grocers	77	18	10	86
Hotel and Restaurant Owners and Employees.	57	15	6	66
Importers	2	....	....	2
Inspectors	25	11	3	33
Insurance Salesmen and Claim Agents.....	190	45	19	216
Interior Decorators	15	3	....	15
Inventors	1	1	1	1
Iron and Steel Workers	88	13	3	98

OCCUPATIONS OF PARENTS AND GUARDIANS (Cont'd.) YEAR 1933-1934

	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Janitors, Maids	43	13	5	51
Jewelers, Watchmakers	33	2	....	35
Jobbers	8	....	....	8
Junk Dealers	20	1	1	20
Laborers	94	28	14	108
Laundrymen	12	2	1	13
Ladies Specialties	5	....	....	5
Leather Workers	2	....	....	2
Librarians	2	4	1	5
Liverymen, Teamsters	2	1	1	2
Livestock Dealers	15	4	....	19
Machinists	78	23	10	91
Manufacturers	151	24	15	160
Mechanics	66	15	7	74
Marblesetters	1	....	....	1
Merchants	509	107	46	570
Metal Trades	15	4	1	18
Millers	11	6	1	16
Millworkers, Shopworkers	38	5	1	42
Mine Operators	4	6	....	10
Miners	23	5	2	26
Missionaries	6	7	3	10
Musicians, Artists	25	4	2	27
Oil Producers	24	9	5	28
Opticians, Optometrists	25	3	3	25
Osteopaths, Chiropractors	7	2	....	9
Pawn Brokers	1	....	....	1
Photographers	13	4	2	15
Paper Makers	2	....	....	2
Physicians, Surgeons, Nurses	254	5	40	271
Piano Tuners .....	....	1	....	1
Plasterers	1	....	....	1
Plumbers	24	12	4	32
Politicians	1	1	1	1
Potters	8	3	3	8
Poultrymen	20	5	....	25
Printers, Publishers	39	12	2	49
Quarrymen	2	....	....	2
Railway	445	103	55	493
Real Estate	142	26	8	160
Retired	311	181	55	437
Roofers, Tanners	5	2	1	6
Rubber Workers	6	....	....	6
Research Work	9	1	1	9
Salesmen	451	91	53	489
School Officials	373	118	48	443
Shoe Workers	26	2	....	28
Social Workers	20	6	3	23
Students	4	1	....	5
Tailors, Seamstresses	74	9	8	75
Telephone, Telegraph	63	15	9	69
Toolmakers	15	2	1	16
Theatre Owners and Operators	11	3	2	12
Traffic Managers	14	2	2	14
Transfer and Storage	16	1	1	16
Undertakers	21	3	1	23
Upholsterers	6	....	....	6
Veterinarians	47	4	4	47
Violin Makers and Repairers	1	....	....	1

OCCUPATIONS OF PARENTS AND GUARDIANS (Cont'd.) YEAR 1933-1934

	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Watchmen, Sextons	9	1	1	9
Well Drillers	3	4	1	6
Wholesale	52	7	4	55
Y. M. C. A., Y. W. C. A., Religious Workers...	11	....	....	11
Mothers with no occupations.....	984	378	116	1,246
None given, or deceased.....	1,057	787	307	1,537
Total.....	10,477	3,382	1,391	12,468

APPENDIX II

BOARD OF TRUSTEES—1933-1934

NEWTON D. BAKER, Cleveland.....	Dec. 21, 1932	May 13, 1935
JOHN KAISER, Marietta	Feb. 25, 1915	May 13, 1936
JULIUS F. STONE, Columbus	Mar. 17, 1925	May 13, 1937
LAWRENCE E. LAYBOURNE, Springfield.....	May 14, 1921	May 13, 1938
HARRY A. CATON, Coshocton.....	May 14, 1925	May 13, 1939
M. EDITH CAMPBELL, Cincinnati	June 9, 1933	May 13, 1940
HERBERT S. ATKINSON, Columbus.....	Mar. 17, 1925	May 13, 1941

* Julius F. Stone served also as a member from May 13, 1909, to March 21, 1917.

OFFICERS OF THE BOARD

HERBERT S. ATKINSON, *Chairman*
HARRY A. CATON, *Vice-Chairman*
CARL E. STEEB, *Secretary*
CHARLES F. KETTERING, *Treasurer*

ADMINISTRATIVE OFFICERS

For the year ending June 30, 1934

GEORGE W. RIGHTMIRE.....	<i>President</i>
Office—Administration Building, UN-3148; Campus 312.	
Residence—Ohio State University Campus, UN-3148; Campus 274.	
WILLIAM OXLEY THOMPSON.....	<i>President Emeritus</i>
Residence—55 Woodland Avenue, FA-9130.	
JAMES LEWIS MORRILL.....	<i>Vice President</i>
Office—Administration Building, UN-3148; Campus 628.	
Residence—459 West 8th Avenue, UN-9427.	
CARL E. STEEB.....	<i>Secretary of the Board of Trustees and Business Manager</i>
Office—Administration Building, UN-3148; Campus 332.	
Residence—198 West Eleventh Avenue, UN-4732.	
GEORGE W. ECKELBERRY.....	<i>Assistant to the President</i>
Office—Administration Building, UN-3148; Campus 380.	
Residence—2023 Collingswood Road, KI-1348.	
EDITH D. COCKINS	
<i>Registrar, University Editor, Secretary of the University Faculty, and Alumni Recorder</i>	
Office—Administration Building, UN-3148; Campus 314.	
Residence—1580 Guilford Road, KI-2726.	
BLAND L. STRADLEY.....	<i>University Examiner</i>
Office—Administration Building, UN-3148; Campus 412.	
Residence—Canal Winchester, Canal Winchester Ex. 71.	
KATHERINE A. VOGEL.....	<i>Executive Clerk</i>
Office—Administration Building, UN-3148; Campus 312.	
Residence—1040 Elmwood Avenue, KI-5883.	
CHARLES A. KUNTZ.....	<i>Comptroller</i>
Office—Administration Building, UN-3148; Campus 332.	
Residence—123 Jeffrey Place, LA-3603.	
FLORIS D. HANE.....	<i>Cashier</i>
Office—Administration Building, UN-3148; Campus 371.	
Residence—373 Thirteenth Avenue, WA-1054.	

- JOSEPH A. PARK.....*Dean of Men*
Office—Administration Building, UN-3148; Campus 283.
Residence—1474 Doone Road, KI-1702.
- ESTHER ALLEN GAW.....*Dean of Women*
Office—Pomerene Hall, UN-3148; Campus 480, 238, 226.
Residence—60 Jefferson Avenue, MA-2692.
- EMMA E. PROUT.....*House Superintendent, Residence Hall*
Office—Oxley Hall, UN-3148; Campus 346.
Residence—Mack Hall, UN-3148; Campus 264.
- EDWARD S. DRAKE.....*Manager of Ohio Union*
Office—Ohio Union, UN-3148; Campus 273.
Residence—2094 Neil Avenue, UN-4078.
- HAROLD K. SCHELLENGER.....*Director of News Bureau*
Office—Administration Building, UN-3148; Campus 491.
Residence—137 W. 9th Avenue, UN-2004.
- WILLIAM C. McCracken.....*Chief Engineer and Superintendent of Buildings and Grounds*
Office—Service Building, UN-3148; Campus 428, 517.
Residence—2005 Berkshire Road, KI-4669.
- RAY M. ROYER.....*Purchasing Agent*
Office—Administration Building, UN-3148; Campus 374, 375.
Residence—1828 Arlington Avenue—KI-4063.
- FRED E. JONES.....*Director of Stores and Receiving Department*
Office—Service Building, UN-3148; Campus 354.
Residence—255 Oakland Park Avenue, LA-3461.
- CHESTER W. McCLINTOCK.....*Storekeeper*
Office—Chemistry Building, UN-3148; Campus 228.
Residence—232 Glenmont Avenue, LA-4070.
- H. DWIGHT SMITH.....*University Architect*
Office—100 Brown Hall, UN-3148; Campus 361.
Residence—1950 Arlington Avenue, KI-3542.
- GEORGE H. SIEBERT.....*Manager of the University Bookstore*
Office—Derby Hall, UN-3148; Campus 511.
Journalism Building, UN-3148; Campus 275.
Administration Building, UN-3148; Campus 374, 375.
Residence—2239 Fairfax Road, KI-1342.

CHANGES IN FACULTY

NEW APPOINTMENTS 1933-1934

Guybert P. Cahoon.....	Assistant Professor	University School
Louis H. Diercks.....	Professor	Music
Capt. John J. Gahan.....	Assistant Professor	Military Science
Harry H. Giles.....	Assistant Professor	University School
Joseph N. Knull.....	Curator of Insects and Asst. Professor.....	Zoology and Entomology
Thomas C. Pollock.....	Assistant Professor	English
Hans Sperber.....	Lecturer	German
Capt. Robt. G. St. James....	Assistant Professor	Military Science
Virgil R. Wertz.....	Associate Professor	Rural Economics

PROMOTIONS IN RANK 1933-1934

Emory F. Almy.....	Assistant Professor to Associate Professor....	Agricultural Chemistry
Earl W. Anderson.....	Associate Professor to Professor.....	Bureau Educa. Research
Francis R. Aumann.....	Instructor to Assistant Professor.....	Political Science
G. Bryant Bachman.....	Instructor to Assistant Professor.....	Chemistry
Willard H. Bennett.....	Instructor to Assistant Professor.....	Physics and Astronomy
Joseph N. Bradford.....	Professor to Emeritus Professor.....	Architecture
Aubrey I. Brown.....	Associate Professor to Professor.....	Mechanical Engineering

Robin C. Burrell.....	Assistant Professor to Associate Professor....	Agricultural Chemistry
Kenneth Dameron.....	Assistant Professor to Associate Professor....	Business Organization
Joseph V. Denney.....	Professor to Emeritus Professor.....	English
Elvin F. Donaldson.....	Instructor to Assistant Professor.....	Business Organization
Edwin C. Durrant.....	Associate Professor to Emeritus Professor....	Physiology
Roscoe H. Eckelberry.....	Assistant Professor to Associate Professor....	Education
Berthold A. Eisenlohr.....	Professor to Emeritus Professor.....	German
Erwin F. Frey.....	Assistant Professor to Associate Professor....	Fine Arts
Albert D. Frost.....	Associate Professor to Professor.....	Ophthalmology
Arch O. Heck.....	Associate Professor to Professor.....	Education
William A. P. Graham.....	Assistant Professor to Associate Professor....	Geology
E. Allen Helms.....	Assistant Professor to Associate Professor....	Political Science
Alma Herbst.....	Instructor to Assistant Professor.....	Economics
Lawrence F. Hill.....	Associate Professor to Professor.....	History
Arthur W. Hodgman.....	Professor to Emeritus Professor.....	Classical Languages
Robert M. Hunter.....	Assistant Professor to Associate Professor....	Law
Herrick L. Johnston.....	Assistant Professor to Associate Professor....	Chemistry
Clarence H. Kennedy.....	Associate Professor to Professor.....	Zoology and Entomology
Paul N. Lehotsky.....	Instructor to Assistant Professor.....	Industrial Engineering
William T. Magruder.....	Professor to Emeritus Professor.....	Mechanical Engineering
David F. Miller.....	Assistant Professor to Associate Professor....	Zoology and Entomology
John A. Miller.....	Instructor to Assistant Professor.....	Zoology and Entomology
Peter Morrison.....	Instructor to Assistant Professor.....	Industrial Engineering
Harold H. Nielson.....	Instructor to Assistant Professor.....	Physics and Astronomy
Herbert Osborne.....	Research Professor to Emeritus Professor....	Zoology and Entomology
Gladys Palmer.....	Assistant Professor to Associate Professor....	Physical Education
Robert G. Paterson.....	Lecturer to Professor.....	Social Administration
James E. Pollard.....	Lecturer to Associate Professor.....	Journalism
John W. Price.....	Assistant Professor to Associate Professor....	Zoology and Entomology
Ward G. Reeder.....	Associate Professor to Professor.....	Education
Alice Robinson.....	Associate Professor to Professor.....	Fine Arts
A. Sophie Rogers.....	Assistant Professor to Associate Professor....	Psychology
William H. Rose.....	Assistant Professor to Associate Professor....	Law
Alexander H. Schutz.....	Assistant Professor to Associate Professor....	Romance Languages
Laurence H. Snyder.....	Associate Professor to Professor.....	Zoology and Entomology
Frank C. Starr.....	Instructor to Assistant Professor.....	Dentistry
Paris B. Stockdale.....	Assistant Professor to Associate Professor....	Geology
Jacob B. Taylor.....	Associate Professor to Professor.....	Accounting
John B. Titchener.....	Assistant Professor to Associate Professor....	Classical Language
Harvey Walker.....	Associate Professor to Professor.....	Political Science
Harold R. Walley.....	Assistant Professor to Associate Professor....	English
Robert D. Williams.....	Associate Professor to Professor.....	Psychology
Alden R. Winter.....	Assistant Professor to Associate Professor....	Poultry Husbandry
Guy B. Wiser.....	Assistant Professor to Associate Professor....	Fine Arts

APPENDIX III

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THE WORK OF INSTRUCTORS—1933-1934

THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
ACCOUNTING												
Elements of Accounting	401	5	19	401	5	187	401	5	168	401	5	89
Elements of Accounting	402	5	19	402	5	82	402	5	144	402	5	145
Intermediate Accounting	403	5	17	403	5	107	403	5	54	403	5	17
Outline of Accounting	405	5	61	405	5	30	...	...	...
Advanced Principles of Accounting.....	602	5	14	602	5	14	602	5	39	602	5	16
Cost Accounting	603	5	13	603	5	50	...	...	...
Cost Accounting	604	5	16	604	5	47
Auditing	607	2	20	607	2	9	...	...	...
Auditing	608	2	17	608	2	10
Cost Accounting Systems	610	3	*	...	...	...
Income Tax Accounting	611	2	31	...	...	...	611	2	44
Constructive Accounting	612	4	32
Accounting Practice	613	4	27	614	4	27	614	4	0
Business Statements	616	3	19	616	3	26	616	3	65
Managerial Accounting	617	3	16
Fiduciary Accounting	621	2	*	...	...	...
Factory Costs	624	5	45
Research in Accounting	801	...	...	...	...	...	...	...	...	...	...	...
Seminary in Accounting	804	2	4	...	...	...	...	...	...
Graduate Seminary in Accounting.....	805	2	3	...	...	...
Thesis	1	...	...	1
Research in Accounting	950	...	0	950	...	0	950	...	0
AGRICULTURAL CHEMISTRY												
General Agricultural Chemistry	401	5	96	401	5	30	401	5	43
An Introduction to Organic and General Chemistry	402	5	58	402	5	30	402	5	48
An Introduction to Organic and General Chemistry	403	5	20	403	5	42	403	5	34
Animal Chemistry	406	3	39	406	3	35
General Biological Chemistry	601	5	14	601	5	25	...	...	...
Food Inspection and Analysis	602	5	1
Dairy Chemistry	604	5	...	...	...	...	...	...	...
Dairy Chemistry	605	5	21	...	...	...

Dairy Chemistry	606	5	16
Chemistry of Nutrition	607	5	13
Animal Nutrition	608	5	*
Special Problems	701	3-5	8
Plant Chemistry	801	5	1
Seminary	804	1	6
Research in Agricultural Chemistry	950	3	3

AGRICULTURAL EDUCATION

Principles Applied to Teaching of Vocational Agriculture in Secondary Schools.....	...	...	...	...	...	...	400	5	16	400	5	5
Principles and Practices of Field Machinery..	...	...	...	401	5	15	...	...	...	401	5	12
Observation of the Teaching of Vocational Agriculture .....	...	...	...	502	5	4	502	5	10	502	5	7
Supervised Teaching of Vocational Agriculture .....	...	...	...	503	5	4	503	5	10	503	5	7
Special Methods of Teaching Vocational Agriculture in Secondary Schools.....	601	5	4	601	5	4	601	5	11	601	5	7
Project Records and Analysis.....	605	3	0	...	...	...	...	...	...	...	...	...
Special Problems .....	...	...	...	701	3-15	0	701	3-15	0	701	3-15	0
Special Problems	801	3-15	9	801	3-15	0	801	3-15	0	...	...	...
The Problem Method Applied to Secondary and College Teaching in Agriculture.....	803	5	4	...	...	...	...	...	...	803	5	0
State Administration and Supervision of Vocational Agriculture .....	...	...	...	...	...	...	...	...	...	804	3	0
Organization and Administration of Teacher Training for Vocational Agriculture.....	806	3	0	...	...	...	806	3	0	...	...	...
Tests and Measurements Adapted to Instruction in Vocational Agriculture.....	807	3	4	...	...	...	...	...	...	...	...	...
Organization and Methods of Conducting Part-time and Evening Schools in Vocational Agriculture	808	3	0	...	...	...	808	3	0	...	...	...
Research for Teachers of Vocational Agriculture	809	3	5	...	...	...	...	...	...	...	...	...
Seminary in Agricultural Education.....	810	1-3	0	810	1-3	0	810	1-3	0	810	1-3	0

AGRICULTURAL ENGINEERING

Principles and Practices of Field Machinery..	...	...	...	401	5	43	...	...	...	401	5	20
Expression through Graphic Language.....	...	...	...	402	3	17	402	3	25	402	3	0
Dairy Engineering .....	...	...	...	408	3	20	...	...	...	...	...	...
Principles and Practices in Farm Buildings..	...	...	...	502	5	12	...	...	...	...	...	...
Principles and Practices in Farm Motors.....	...	...	...	...	...	...	503	5	9	...	...	...
Principles and Practices in Farm Shop.....	504	5	4	...	...	...	504	5	16	...	...	...
Principles and Practices in Rural Electrification .....	...	...	...	505	3	0	...	...	...	...	...	...
Special Agricultural Engineering Applications to Horticultural Practices .....	...	...	...	...	...	...	...	...	...	506	3	10
Principles and Practices in Land Drainage and Irrigation .....	...	...	...	...	...	...	...	...	...	507	5	6
Theory and Practice in Agricultural Engineering: Farm Structures .....	...	...	...	...	...	...	602	5	*	...	...	...
Theory and Practice of Agricultural Engineering: Farm Power Equipment.....	603	5	*

THE WORK OF INSTRUCTORS—1933-1934 (Cont'd.)

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THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Theory and Practice of Agricultural Engineering: Land Maintenance and Improvement...	604	5	*
Theory and Practice of Agricultural Engineering: Advanced Field Machinery.....	701	3-15	12	701	3-15	2	605	5	*
Special Problems	701	...	0	701	...	1	701	3-15	7
Research	950	...	0	950	...	1	950	...	0
AGRONOMY												
Field Crop Production	401	5	7	...	...	...
Soils	501	5	22	501	5	30	501	5	22
Cereal Crops	502	5	5	502	5	5	...	...	...
Forage Crops	503	5	3	...	...	...	503	5	17
Soils for Agricultural Teachers.....	505	3	14	...	...	...	...	...	...
Theory and Practice in Soil Management.....	601	3	6	...	...	...	...	...	...
Chemical Methods used in Soil Investigations..	602	5	*	...	...	...	...	...	...
Origin and Classification of Soils	603	3	13
Soil Physics	608	5	4	...	...	...
Physical Chemistry of Soils.....	609	5	3
Special Problems	701	3-15	1	701	3-15	0	701	3-15	1	701	3-15	1
Agronomy Seminary	702	1	1	702	1	3	702	1	5
Research in Soils	801	5	4	...	...	...	...	...	...	...	...	...
Research in Agronomy	950	...	5	950	...	6	950	...	7
ANATOMY												
Comparative Anatomy	406	5	28	...	...	...
Comparative Anatomy	407	5	58
Visceral Anatomy	410	3	36	...	...	...	...	...	...
Elementary Human Anatomy.....	412	5	39
Comparative Anatomy of the Vertebrates.....	414	5	62	...	...	...
The Eye	437	5	18
Seminary	601	1	0	...	...	...	...	...	...
Seminary	602	1	0	...	...	...
Seminary	603	1	0
Advanced Anatomy: Minor Problems.....	604	3-5	8	...	...	...	...	...	...
Advanced Anatomy: Minor Problems.....	605	3-5	5	...	...	...
Advanced Anatomy: Minor Problems.....	606	3-5	7
Cytology	611	5	0	...	...	...
Cytology	612	5	20	...	...	...
Comparative Anatomy of the Vertebrates.....	613	5	100	...	...	...	...	...	...

Comparative Anatomy of the Vertebrates.....	614	5	0	615	5	0
Comparative Vertebrate Embryology.....	616	5	68	616	5	68
Comparative Vertebrate Embryology.....	617	5	14	617	5	14
Elementary Neurology.....	618	5	5	618	5	5
Elementary Neurology.....	619	5	91	619	5	91
Comparative Anatomy of the Vertebrates.....	621	5	105	621	5	105
Human Anatomy.....	622	5	97	622	5	97
Human Anatomy.....	623	5	101	623	5	101
Human Anatomy.....	624	5	101	624	5	101
Microscopic Anatomy.....	625	5	98	625	5	98
Developmental Anatomy.....	626	5	101	626	5	101
Neurology.....	627	2	0	627	2	0
Topographical Anatomy.....	628	3	6	628	3	6
Special Advanced Anatomy.....	638	7	56	638	7	56
Human Anatomy.....	639	7	56	639	7	56
Human Anatomy.....	640	7	55	640	7	55
Histology and Embryology.....	701	5	1	701	5	1
Minor Problems.....	702	5	3	702	5	3
Minor Problems.....	703	5	6	703	5	6
Minor Problems.....	801	5	0	801	5	0
Advanced Anatomy.....	802	5	0	802	5	0
Advanced Anatomy.....	803	5	0	803	5	0
Advanced Anatomy.....	950	4	2	950	4	2
Research in Anatomy.....	950	4	2	950	4	2
ANIMAL HUSBANDRY						
Market Types and Classes of Livestock.....	401	5	55	401	5	55
Feeding Livestock.....	402	5	77	402	5	77
Dairy Cattle and Milk Secretion.....	404	3	29	404	3	29
Dairy Cattle Breeds.....	407	3	38	407	3	38
Selection and Cutting of Meat.....	409	5	80	409	5	80
Breeding Livestock.....	410	3	16	410	3	16
Meats and Meat Products.....	501	5	17	501	5	17
Horse Production and Management.....	504	5	14	504	5	14
Swine Production and Management.....	505	5	14	505	5	14
Dairy Cattle Production and Management.....	506	5	10	506	5	10
Sheep Production and Management.....	507	3	15	507	3	15
Dairy Cattle Selection and Judging.....	508	5	0	508	5	0
Dairy Production for Teachers of Vocational Agriculture.....	607	3	5	607	3	5
Advanced Meats.....	608	5	8	608	5	8
Livestock Marketing.....	611	3	8	611	3	8
Progeny Testing and Newer Trends in Livestock Breeding.....	614	5	4	614	5	4
Trends in Dairy Cattle Investigation.....	616	0	5	616	0	5
Dairy Inspection Trip.....	626	3	12	626	3	12
Marketing Dairy Products.....	701	3-15	2	701	3-15	2
Special Problems.....	701	3-15	2	701	3-15	2
Research.....	950	0	1	950	0	1

Architecture: Special Studies in Architecture	660	1-5	8	661	1-5	12	662	1-5	9
Architecture: Special Studies in Architecture	660	1-5	8	661	1-5	12	662	1-5	9
Architecture: Special Studies in Architecture	660	1-5	8	661	1-5	12	662	1-5	9
Professional Practice	660	1-5	8	661	1-5	12	662	1-5	9
Thesis	718	5	0	718	5	0	718	5	4
Intermediate Architectural Design	724	5	8	724	5	2	724	5	2
Intermediate Architectural Design	725	5	0	725	5	4	725	5	1
Intermediate Architectural Design	726	8	0	726	8	0	726	8	2
Advanced Architectural Design	727	8	2	727	8	2	727	8	0
Advanced Architectural Design	728	8	2	728	8	3	728	8	2
Advanced Architectural Design	730	8	1	730	8	0	730	8	2
Ornament	731	3	7	731	3	7	731	3	7
Decorative Arts	732	3	7	732	3	7	732	3	7
*History of the Decorative Arts	732	3	7	732	3	7	732	3	7
Construction	736	5	5	736	5	5	736	5	5
Building Sanitation	737	2	12	737	2	12	737	2	12
Construction: Design	742	5	4	742	5	4	742	5	4
Construction: Design	743	5	4	743	5	4	743	5	4
Construction: Design	744	5	*	744	5	*	744	5	*
Construction: Design	745	5	*	745	5	*	745	5	*
Construction: Design	746	5	*	746	5	*	746	5	*
Thesis	749	8	*	749	8	*	749	8	*
Estimating	751	2	*	751	2	*	751	2	*
Specifications and Contracts	752	2	*	752	2	*	752	2	*
Professional Practice	753	2	*	753	2	*	753	2	*
Thesis	761	1	*	761	1	*	761	1	*
Thesis	762	3	*	762	3	*	762	3	*
Thesis	763	4	*	763	4	*	763	4	*
BACTERIOLOGY									
Bacteriology	405	3	11	405	3	11	405	3	11
Bacteriology	450	5	19	450	5	19	450	5	19
Bacteriology for Veterinary Students	502	4	51	502	4	51	502	4	51
Bacteriology for Veterinary Students	503	4	54	503	4	54	503	4	54
Bacteriology for Veterinary Students	504	3	66	504	3	66	504	3	66
Bacteriology	507	5	48	507	5	48	507	5	48
General Bacteriology	607	5	13	607	5	13	607	5	13
Pathogenic Bacteria	608	3	60	608	3	60	608	3	60
Pathogenic Bacteria	609	3	28	609	3	28	609	3	28
Dairy Bacteriology	610	3	35	610	3	35	610	3	35
Dairy Bacteriology	611	3	21	611	3	21	611	3	21
Water Examination, Sewage Disposal, Water	614	3	13	614	3	13	614	3	13
Filtration	617	3	18	617	3	18	617	3	18
Immunity and Serum Therapy	618	3	15	618	3	15	618	3	15
Immunity and Serum Therapy	619	3	19	619	3	19	619	3	19
Pathogenic Protozoa	625	5	26	625	5	26	625	5	26
Special Technique in Pathogenic Bacteriology	626	5	27	626	5	27	626	5	27
Special Technique in Pathogenic Bacteriology	627	5	14	627	5	14	627	5	14
Special Technique in Pathogenic Bacteriology	641	5	70	641	5	70	641	5	70
Medical Bacteriology	642	3	70	642	3	70	642	3	70
Medical Bacteriology	643	2	32	643	2	32	643	2	32
Applied Veterinary Bacteriology	643	2	32	643	2	32	643	2	32

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Applied Veterinary Bacteriology.....	...	...	...	...	...	...	644	2	32	...	...	...
Applied Veterinary Bacteriology.....	...	...	...	...	...	...	...	...	...	645	2	33
Bacteriology .....	...	...	...	...	...	...	650	5	43	...	...	...
Bacteriology .....	...	...	...	...	...	...	...	...	...	651	5	44
Minor Investigations	701	3 or 5	16	701	3 or 5	10	701	3 or 5	25	701	3 or 5	16
Research Work in Pathogenic Bacteriology....	801	5-10	3	...	...	...	...	...	...	...	...	...
Seminary in Bacteriology .....	...	...	...	807	1	14	...	...	...	...	...	...
Seminary in Bacteriology .....	...	...	...	...	...	...	808	1	*	...	...	...
Seminary in Bacteriology .....	...	...	...	...	...	...	...	...	...	809	1	0
Research in Bacteriology .....	...	...	...	950	...	10	950	...	14	950	...	20
BOTANY												
General Botany	401	5	90	401	5	518	401	5	205	401	5	134
General Botany	402	5	58	402	5	78	402	5	443	402	5	181
Local Flora .....	...	...	...	...	...	...	...	...	...	405	5	8
Local Flora	406	5	6	...	...	...	...	...	...	406	5	62
General Plant Pathology .....	...	...	...	419	5	17	...	...	...	419	5	31
Plant Ecology	601	5	14	601	5	8	...	...	...	...	...	...
Plant Ecology .....	...	...	...	...	...	...	...	...	...	602	5	8
Plant Physiology	605	5	11	605	5	33	605	5	19	...	...	...
Plant Physiology .....	...	...	...	...	...	...	606	5	29	606	5	14
Evolution of Plants .....	...	...	...	...	...	...	...	...	...	611	5	6
General Morphology of Thalophytes and Bryophytes .....	...	...	...	613	5	6	...	...	...	...	...	...
General Morphology of the Pteridophytes and Spermatophytes .....	...	...	...	...	...	...	614	5	7	...	...	...
Plant Microtechnic .....	...	...	...	...	...	...	615	5	10	...	...	...
Plant Microchemistry .....	...	...	...	617	5	14	...	...	...	...	...	...
Economic Botany .....	...	...	...	619	5	0	...	...	...	...	...	...
Physiological Methods .....	...	...	...	...	...	...	...	...	...	632	3	10
Physiological Methods .....	...	...	...	...	...	...	633	3	9	...	...	...
Plant Growth .....	...	...	...	...	...	...	...	...	...	634	3	10
Plant Genetics .....	...	...	...	...	...	...	...	...	...	635	5	*
Plant Cytology .....	...	...	...	...	...	...	...	...	...	637	5	5
Plant Anatomy .....	...	...	...	640	5	*	...	...	...	...	...	...
Mycology .....	...	...	...	653	5	0	...	...	...	...	...	...
Advanced Plant Pathology .....	...	...	...	...	...	...	656	3	14	...	...	...
Freshwater Algae .....	...	...	...	...	...	...	665	5	...	...	...	...
Special Problems: Taxonomy, Morphology, Cytology and Anatomy	701	2-5	14	701	2-5	8	701	2-5	4	701	2-5	10

Special Problems: Physiology and Ecology.....	703	2-5	1	...	...	...	...	...	...	...	...	...
Research in Taxonomy and Morphology.....	801	3-10	6	...	...	...	...	...	...	...	...	...
Research in Physiology and Ecology.....	803	4-10	7	...	...	...	...	...	...	...	...	...
Principles of Taxonomy: Pteridophytes and Gymnosperms.....	...	...	...	807	5	8	...	...	...	...	...	...
Principles of Taxonomy: Monocotyls.....	...	...	...	...	...	...	808	5	7	...	...	...
Principles of Taxonomy: Dicotyls.....	...	...	...	...	...	...	...	...	...	809	5	5
Botanical Colloquium.....	...	...	...	810	1	11	810	1	11	810	1	10
Seminary in the History of Botany.....	...	...	...	...	...	...	812	1	0	...	...	...
Research in Botany.....	...	...	...	950	...	12	950	...	15	950	...	9

BUSINESS ORGANIZATION

Introduction to Business.....	401	5	9	401	5	171	401	5	161	401	5	158
Business Communications and Adjustment Practice.....	504	3	28	504	3	75	504	3	69	504	3	106
Business Statistics.....	...	...	...	...	...	...	614	4	26	...	...	...
Public Aspects of Industry.....	...	...	...	...	...	...	620	1	187	...	...	...
Business Law: Contracts.....	...	...	...	621	3	116	621	3	124	621	3	72
Business Law for Engineers and Architects.....	...	...	...	622	3	27	622	3	29	622	3	23
Business Law: Agency and Sales.....	...	...	...	623	3	36	623	3	68	623	3	70
Business Law: Negotiable Instruments.....	...	...	...	625	3	39	625	3	54	625	3	88
Business Law: Partnerships and Corporations Business Law: Legal Aspects of Credits and Collections.....	...	...	...	627	3	25	627	3	17	...	...	...
Business Law: The Law of Banks and Bank- ing.....	...	...	...	...	...	...	...	...	...	629	3	16
Corporate Organization and Control.....	...	...	...	640	3	40	631	3	*	...	...	...
Real Estate Principles and Finance.....	...	...	...	642	3	7	640	3	41	640	3	27
Real Estate Principles and Finance.....	...	...	...	...	...	...	...	...	...	642	3	13
Real Estate Problems.....	...	...	...	644	1-3	1	643	3	*	...	...	...
Trade Associations.....	...	...	...	...	...	...	644	1-3	0	644	1-3	1
Corporations Finance.....	650	5	32	650	5	73	645	3	11	...	...	...
Industrial Finance.....	652	3	9	652	3	13	650	5	91	650	5	86
Industrial Consolidations and Mergers.....	...	...	...	653	3	6	...	...	...	652	3	15
Railroad and Public Utility Finance.....	...	...	...	656	3	15	656	3	19	...	...	...
Investment Analysis.....	...	...	...	...	...	...	657	3	10	...	...	...
Principles of Investment.....	...	...	...	658	3	6	...	...	...	658	3	37
Investment Banking.....	...	...	...	...	...	...	...	...	...	659	3	12
The Stock Market.....	660	3	13	660	3	22	660	3	20	660	3	31
The Money Market.....	662	3	8	...	...	...	...	...	...	662	3	15
Foreign Exchange.....	...	...	...	...	...	...	665	3	16	...	...	...
Practice Work in Banking.....	...	...	...	666	1-3	3	666	1-3	3	666	1-3	3
Bank Organization and Management.....	...	...	...	...	...	...	670	1-3	*	...	...	...
Savings and Trust Institutions.....	...	...	...	674	3	9	...	...	...	...	...	...
Industrial Organization and Management.....	680	5	26	680	5	74	680	5	55	680	5	81
Industrial Management Field Work.....	684	3-6	12	684	3-6	1	684	3-6	0	684	3-6	2
Material Organization and Management.....	...	...	...	685	3	0	685	3	10	...	...	...
Personnel Organization and Management.....	686	3	4	686	3	12	...	...	...	686	3	12
Production Organization and Management.....	...	...	...	...	...	...	687	3	0	687	3	5
Office Organization and Management.....	...	...	...	...	...	...	...	...	...	691	3	0
Marketing.....	700	5	15	700	5	109	700	5	115	700	5	92
Marketing Problems and Market Analysis.....	702	4	42	702	4	27	702	4	44

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Retail Merchandising .....	...	...	...	705	4	25	705	4	39	705	4	34
Wholesaling	706	4	8	...	...	...	706	4	19	...	...	...
Credits and Collections	709	4	22	709	4	22	709	4	30	709	4	51
Salesmanship and Sales Management.....	...	...	...	712	4	40	712	4	57	712	4	67
Principles of Advertising .....	...	...	...	716	3	50	716	3	42	716	3	48
Advertising Practice .....	...	...	...	...	...	...	717	3	22	...	...	...
Retail Advertising .....	...	...	...	...	...	...	...	...	...	719	4	21
Exporting and Importing.....	...	...	...	720	3	19	...	...	...	...	...	...
Exporting and Importing.....	...	...	...	...	...	...	721	3	18	...	...	...
Field Work in Marketing.....	725	3-6	0	725	3-6	0	725	3-6	1	725	3-6	0
Public Utility Organization and Administra- tion .....	...	...	...	...	...	...	...	...	...	740	3	10
Valuation of Railroads and Public Utilities...	...	...	...	...	...	...	748	3	6	...	...	...
Traffic Management .....	...	...	...	...	...	...	752	3	7	...	...	...
Personal Insurance .....	...	...	...	...	...	...	760	3	27	...	...	...
Property Insurance .....	...	...	...	...	...	...	...	...	...	764	3	22
Special Problems in Business Organization....	799	1-3	1	799	1-3	1	799	1-3	3	799	1-3	6
Corporation Finance for Graduate Students...	804	3	14	...	...	...	804	3	7	804	3	6
Marketing for Graduate Students.....	816	3	13	816	3	12	816	3	8	...	...	...
Problems of Banking and of Stock Prices.....	...	...	...	...	...	...	...	...	...	820	1-3	0
Stock Market for Graduate Students.....	...	...	...	...	...	...	827	3	0	...	...	...
Graduate Seminary in Business Organization for Beginning Graduate Students.....	...	...	...	831	2	4	831	2	4	821	2	0
Graduate Seminary in Business Organization for Advanced Students .....	...	...	...	832	2	1	832	2	0	832	2	0
Graduate Course in Industrial Management...	833	3	6	833	3	4	...	...	...	...	...	...
Application of Economic Theory in Industrial Organization and Management .....	...	...	...	...	...	...	...	...	...	834	3	0
Transportation and Public Utilities for Grad- uate Students .....	...	...	...	845	3	5	845	3	3	...	...	...
Research in Business Organization	900	...	12	...	...	...	...	...	...	...	...	...
Research in Business Organization .....	...	...	...	950	...	7	950	...	5	950	...	3
CERAMIC ENGINEERING												
Occurrence and Properties of Clays.....	...	...	...	...	...	...	401	4	17	...	...	...
Winning, Preparation, and Forming.....	...	...	...	...	...	...	...	...	...	405	4	9
Ceramic Laboratory .....	...	...	...	450	1	7	...	...	...	...	...	...
Theory of Drying .....	...	...	...	600	3	9	...	...	...	...	...	...
Driers, Kilns and Theory of Firing.....	...	...	...	...	...	...	601	5	7	...	...	...
Elements of Ceramic Plant Engineering.....	...	...	...	...	...	...	603	5	10	...	...	...

Bodies, Glazes and Colors									608	5	10
Refractories and Their Uses									610	5	10
Ceramic Calculations				615	5	9					
Physical and Chemical Measurements of Clays and other Ceramic Materials											
Junior Inspection Trip									630		5
Ceramic Investigations				701	5	13					
Ceramic Investigations							702	5	11		
Ceramic Investigations										703	5
Ceramic Designing				705	5	13					
Ceramic Designing							706	5	11		
Ceramic Designing										707	5
Technology of Glass				708	3	11					
Thesis				710	3	1	710	3	9	710	3
Thesis				711	3	5	711	3	0	711	3
Senior Inspection Trip										730	
Special Problems				750	2-7	2	750	2-7	2	750	2-7
Porcelain for Electrical and Other Special Purposes				810	2	7					
Porcelain for Electrical and Other Special Purposes							811	2	4		
Porcelain for Electrical and Other Special Purposes										812	2
Seminary in Ceramic Engineering				815	1-5	0	815	1-5	0	815	1-5
Research in Ceramic Engineering				950		4	950		9	950	
CHEMICAL ENGINEERING											
Chemical Engineering Practice Work				501	5	46				501	5
Elements of Chemical Engineering	700	2	8				700	2	37		
Industrial Chemistry				701	3	45					
Industrial Chemistry	702	3	8				702	3	34		
Inspection Trip to the West										704	
Chemical Engineering and Industrial Chemistry Laboratory				706	5	36					
Engineering Chemistry and Chemical Engineering Laboratory	707	3	9				707	3	33		
Applied Electrochemistry										710	3
Advanced Chemical Engineering Machinery Laboratory				712	2-6	12					
Advanced Chemical Engineering Machinery Laboratory							713	2-6	14		
Advanced Chemical Engineering Machinery Laboratory										714	2-6
Chemical Engineering Thesis				720	2	4	720	2	25	720	2
Chemical Engineering Thesis				721	5-6	4	721	5-6	5	721	5-6
Introductory Problems in Chemical Engineering	801	2-5	3	801	2-5	0	801	2-5	0	801	2-5
Advanced Industrial Chemistry and Chemical Engineering	900	2-5	9	900	2-5	0					
Advanced Industrial Chemistry and Chemical Engineering							901	2-5	0		

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Advanced Industrial Chemistry and Chemical Engineering .....	...	...	...	...	...	...	...	...	...	902	2-5	0
Seminary in Industrial Chemistry and Chemical Engineering	905	2	12	905	2	16	...	...	...	...	...	...
Seminary in Industrial Chemistry and Chemical Engineering .....	...	...	...	...	...	...	906	2	16	...	...	...
Seminary in Industrial Chemistry and Chemical Engineering .....	...	...	...	...	...	...	...	...	...	907	2	13
Research in Industrial Chemistry and Chemical Engineering	950	...	13	950	...	7	950	...	15	950	...	12
CHEMISTRY												
Elementary Chemistry	401	5	21	401	5	389	401	5	59	...	...	...
Elementary Chemistry	402	5	11	...	...	...	402	5	291	402	5	44
Qualitative Analysis	403	5	11	...	...	...	...	...	...	403	5	136
General Chemistry	411	5	19	411	5	663	411	5	80	...	...	...
General Chemistry	412	5	20	412	5	20	412	5	570	412	5	87
Qualitative Analysis	413	5	25	...	...	...	413	5	45	413	5	377
Quantitative Analysis .....	...	...	...	421	4	212	...	...	...	...	...	...
Quantitative Analysis .....	...	...	...	...	...	...	422	4	192	...	...	...
Quantitative Analysis .....	...	...	...	...	...	...	...	...	...	423	4	149
Problems in Quantitative Analysis .....	...	...	...	...	...	...	...	...	...	424	1	99
Organic Chemistry	451	5	42	451	5	181	...	...	...	...	...	...
Organic Chemistry	452	5	27	...	...	...	452	5	164	...	...	...
Quantitative Analysis .....	...	...	...	...	...	...	...	...	...	561	5	58
Organic Chemistry .....	...	...	...	...	...	...	...	...	...	562	3	12
Physical Chemistry .....	...	...	...	...	...	...	...	...	...	563	5	35
Advanced Quantitative Analysis .....	...	...	...	621	4 or 5	5	...	...	...	...	...	...
General Quantitative Analysis .....	...	...	...	...	...	...	622	3	42	...	...	...
Advanced Quantitative Analysis .....	...	...	...	...	...	...	...	...	...	624	5	10
Water Analysis .....	...	...	...	...	...	...	...	...	...	625	5	8
Industrial Water Problems .....	...	...	...	...	...	...	627	3	*	...	...	...
Qualitative Organic Analysis	641	3	0	...	...	...	...	...	...	641	3	32
Quantitative Organic Analysis .....	...	...	...	...	...	...	...	...	...	642	3	5
Organic Chemistry	647	3	17	647	3	102	...	...	...	...	...	...
Organic Chemistry	648	3	18	...	...	...	648	3	85	...	...	...
Organic Chemistry—Laboratory	649	3	12	649	3	91	...	...	...	...	...	...
Organic Chemistry—Laboratory	650	3	11	...	...	...	650	3	40	...	...	...
X-rays and Crystal Structure .....	...	...	...	...	...	...	664	3	15	...	...	...
Advanced Inorganic Chemistry .....	...	...	...	661	3	63	...	...	...	...	...	...

Advanced Inorganic Chemistry	662	3	60	663	3	26
The Rare Elements	663	3	47	664	3	47
Non-aqueous Solvents	672	3	7	673	3	7
Inorganic Preparations	672	3	7	674	3	7
The Phase Rule	675	2	10	676	2	10
Physical Chemistry	680	3	11	681	3	11
Physical Chemistry	681	3	87	682	2	96
Physical Chemistry	682	2	96	683	3	78
Physical Chemistry	691	2	33	692	2	1
Physical Chemistry—Laboratory	691	2	33	692	2	21
Physical Chemistry—Laboratory	692	2	4	693	2	2
Physical Chemistry—Laboratory	693	2	3	694	3	30
Colloid Chemistry	695	3	22	696	3	18
Theoretical Electrochemistry	696	3	13	697	2	7
Electrochemistry—Laboratory	697	2	7	698	2	5
Colloid Chemistry—Laboratory	698	2	5	699	3-15	9
Minor Problems in Chemistry	699	3-15	9	700	3-15	11
Chemical Bibliography	782	1	35	783	1	27
Chemical Biography	783	1	27	784	2	5
Seminary in Analytical Chemistry	822	3	0	823	3	35
Seminary in Analytical Chemistry	823	2	5	824	3	15
Historical Chemistry	830	3	18	825	3	12
Advanced Organic Chemistry	841	3	36	826	2	4
Advanced Organic Chemistry	842	3	9	827	2	1
Advanced Organic Preparations—Laboratory	844	3	20	828	2	1
Advanced Organic Preparations—Laboratory	845	3	15	829	2	1
Seminary in Organic Chemistry	850	3	25	830	3	11
Seminary in Organic Chemistry	851	3	12	831	3	13
Seminary in Organic Chemistry	852	3	24	832	3	8
Seminary in Organic and Inorganic Chemistry	854	3	6	833	3	7
Colloid Chemistry—Laboratory	859	2	4	834	3	7
Electrochemistry—Laboratory	860	2	2	835	3	5
Physical Chemistry—Laboratory	861	2 or 3	1	836	3	5
Physical Chemistry—Laboratory	862	2 or 3	2	837	3	5
Physical Chemistry—Laboratory	863	2 or 3	0	838	3	5
Atomic Structure	865	3	11	839	3	5
Seminary in Inorganic Chemistry	866	2	13	840	3	5
Seminary in Inorganic Chemistry	867	2	29	841	3	5
Lectures in Advanced Physical Chemistry	881	3	11	842	3	5
Lectures in Advanced Physical Chemistry	882	3	*	843	3	5
Lectures in Advanced Physical Chemistry	883	3	*	844	3	5
Lectures in Advanced Physical Chemistry	887	3	8	845	3	5
Lectures in Advanced Physical Chemistry	888	3	7	846	3	5
Lectures in Advanced Physical Chemistry	889	3	7	847	3	5
Seminary in Colloid Chemistry and Electro-chemistry	891	3	5	848	3	5
Seminary in Physical Chemistry	892	3	0	849	3	5
Chemical Research	950	25	950	850	3	5
CIVIL ENGINEERING						
Land Surveying	401	5	51	401	5	13
Plane Surveying	402	5	33	402	5	33
Railroad Surveying	403	5	6	403	5	33

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Topographic Drawing	404	4	8	404	4	31	405	4	32
Applied Descriptive Geometry
Summer Surveying Camp	407	6	30	...	...	...	...	...	...	411	3	66
Elementary Surveying	411	3	32	...	...	...	...	...	...
Topographic Surveying	601	5	29	...	...	...	...	...	...
Sanitary Engineering	602	5	36	...	...	...	...	...	...
Timber Construction	603	5	22	...	...	...
Stresses in Structures	604	5	24
Roads and Pavements	605	5	28
Cement and Concrete	606	3	8	606	3	25
Summer Surveying Camp	607	6	6	...	...	...	...	...	...	...	...	...
Precise Surveying	608	3	22	...	...	...	...	...	...
Adjustment of Observations	609	3	16	...	...	...
Concrete Design	701	5	38	...	...	...	...	...	...
Bridge Design	702	5	42	...	...	...	...	...	...
Water Supply Engineering	703	5	31	...	...	...
Masonry Construction	704	5	34	...	...	...
Masonry Structures	705	5	34
Thesis	706	1	36	706	1	0	706	1	0
Thesis	707	2	4	707	2	29	707	2	0
Thesis	708	5	6	708	5	1	708	5	30
Trusses	712	5	10	712	5	4	712	5	5
Concrete Design	713	5	6	...	...	...	...	...	...
Steel-Frame Buildings	714	5	4	...	...	...
Contracts and Specifications	732	3	20
Tall Buildings	733	3	11	...	...	...	...	...	...
Advanced Bridges	735	3	0
Advanced Bridges	737	3	21	...	...	...
Highway Plans and Surveys	738	3	10	...	...	...	...	...	...
Bituminous Roads and Surfaces	739	3	10	...	...	...
Advanced Civil Engineering	749	3	12	749	3	14	749	3	0
Research in Civil Engineering	950	...	7	950	...	2	950	...	1
CLASSICAL LANGUAGES												
GREEK												
Elementary Greek	401	5	9
Elementary Greek	402	5	6
Plato	403	5	3
Homer	504	5	2

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Historical Greek and Latin Grammar.....	721	3	See Greek	...	...	...
Historical Greek and Latin Grammar.....	801	3	*	...	...	...	722	3	See Greek
Seminary in the Latin Epic.....	802	3	*	...	...	...
Seminary in the Latin Epic.....	803	3	2
Seminary in the Post-Augustan Epic.....	804	3	*	...	...	...	...	...	...
Seminary in the Latin Lyric.....	805	3	*	...	...	...
Seminary in the Latin Lyric.....	806	3	*	806	3	*	...	...	...
Seminary in the Latin Satire.....	807	3	*	807	3	2	...	...	...
Seminary in the Latin Historiography.....	807	3	16	808	3	4	808	3	*	808	3	*
Seminary in the Latin Drama.....	809	3	*
Seminary in the Latin Philosophical Writers.....	810	3	*
Seminary in Classical Archaeology.....
DAIRY TECHNOLOGY												
Principles of Dairy Technology.....	401	5	47	401	5	25	401	5	18
Testing of Milk Products.....	403	5	21	403	5	12
Soft Cheese Manufacturing.....	407	3	14	...	...	...	407	3	15
Dairy Engineering.....	411	3	*	411	3	21
City Milk Inspection.....	412	3	48
Butter Industry.....	425	3	16	...	...	...	...	...	...
Butter Industry Laboratory.....	426	2	6	426	2	3	426	2	4
Management of Dairy Plants.....	605	3	14	...	...	...
Market Milk.....	607	5	14	...	...	...	...	...	...
Hard Cheese Manufacturing.....	608	5	11	...	...	...
Condensed Milk and Milk Powders.....	609	3	15	...	...	...	...	...	...
Ice Cream Manufacturing.....	610	5	11	...	...	...	...	...	...
Dairy Products Judging.....	615	3	15
Special Problems.....	710	3-15	5	701	3-15	6	701	3-15	3
Dairy Seminar.....	702	1	17	702	1	13	702	1	10
Research in Dairy Technology.....	950	...	0	950	...	0	950	...	3
ECONOMICS												
Survey of the Development of Modern Economic Society.....	400	5	177	400	5	134	400	5	175
Principles of Economics.....	401	5	72	401	5	420	401	5	354	401	5	210
Principles of Economics.....	402	5	50	402	5	140	402	5	315	402	5	295
Principles of Economics for Engineers.....	403	3	159	403	3	124	...	...	...
Principles of Economics for Engineers.....	404	3	118	404	3	93

Economic History of the United States.....	501	5	18	502	5	14	503	5	13
Economic History of the United States.....	501	5	18	502	5	14	503	5	13
The Evolution of Modern Capitalism.....	509	5	32	509	5	46	509	5	30
Outlines of Public Finance.....	510	3	25	510	3	30	510	3	52
Introduction to the Study of Labor Problems.....	520	5	103	520	5	98	520	5	117
Money and Banking.....	522	3	90	522	3	70	522	3	77
Elementary Economic Statistics.....	616	5	26	616	5	72	618	5	73
Corporation Economics.....	618	5	61	618	5	72	618	5	73
Transportation Economics.....	624	3	22	624	3	22	624	3	22
Principles of Insurance.....	625	2	11	625	2	11	625	2	11
Business Cycles and Economic Planning.....	631	3	50	631	3	50	631	3	50
Business Cycles and Economic Planning.....	631	3	50	631	3	50	631	3	50
Public Finance.....	632	3	21	632	3	21	632	3	21
Public Finance.....	632	3	21	632	3	21	632	3	21
Public Finance.....	632	3	21	632	3	21	632	3	21
International Economic Problems.....	634	3	10	634	3	10	634	3	10
International Economic Problems.....	634	3	10	634	3	10	634	3	10
Labor Relations.....	637	5	28	637	5	28	637	5	28
Labor Legislation.....	638	3	24	638	3	24	638	3	24
Social Insurance.....	638	3	24	638	3	24	638	3	24
Women in the Modern Economic World.....	643	4	*	643	4	*	643	4	*
Principles of Economic Consumption.....	645	3	8	645	3	8	645	3	8
Public Utility Economics.....	648	5	14	648	5	14	648	5	14
International Commercial Policies.....	651	3	12	651	3	12	651	3	12
The Distribution of Wealth and Income.....	656	3	9	656	3	9	656	3	9
Socialism.....	658	2	4	658	2	4	658	2	4
Population.....	658	2	4	658	2	4	658	2	4
Population.....	658	2	4	658	2	4	658	2	4
Population.....	658	2	4	658	2	4	658	2	4
Reading Course.....	700	1-5	3	700	1-5	3	700	1-5	3
Reading Course.....	700	1-5	3	700	1-5	3	700	1-5	3
Reading Course.....	700	1-5	3	700	1-5	3	700	1-5	3
History of Economic Thought.....	801	3	10	801	3	10	801	3	10
History of Economic Thought.....	801	3	10	801	3	10	801	3	10
History of Economic Thought.....	801	3	10	801	3	10	801	3	10
Statistical Analysis.....	807	2	9	807	2	9	807	2	9
Statistical Analysis.....	807	2	9	807	2	9	807	2	9
Statistical Analysis.....	807	2	9	807	2	9	807	2	9
The Economic History of Western Europe.....	812	2	2	812	2	2	812	2	2
The Economic History of Western Europe.....	812	2	2	812	2	2	812	2	2
The Economic History of Western Europe.....	812	2	2	812	2	2	812	2	2
Costs and Returns.....	816	3	14	816	3	14	816	3	14
Modern Economic Theories.....	816	3	14	816	3	14	816	3	14
Modern Economic Theories.....	816	3	14	816	3	14	816	3	14
Modern Economic Theories.....	816	3	14	816	3	14	816	3	14
Current Taxation Problems.....	825	2	1	825	2	1	825	2	1
Advanced Money.....	863	3	15	863	3	15	863	3	15
Advanced Banking.....	863	3	15	863	3	15	863	3	15
Public Control of Industry.....	865	2	0	865	2	0	865	2	0
Public Control of Industry.....	865	2	0	865	2	0	865	2	0
Public Control of Industry.....	865	2	0	865	2	0	865	2	0
Public Control of Industry.....	865	2	0	865	2	0	865	2	0

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Problems of Capital Accumulation and Utilization	868	3	1	...	...	...	868	3	3	869	3	0
Capitalism and Socialism in Europe and Asia .....	...	...	...	...	...	...	...	...	...	870	2	0
European Banking Systems	870	2	3	...	...	...	...	...	...	...	...	...
Economic Research	900	...	3	...	...	...	...	...	...	950	...	4
Research in Economics .....	...	...	...	950	...	2	950	...	6	...	...	...
EDUCATION												
Principles of Education	301	2	51	...	...	...	...	...	...	...	...	...
Principles of Education	302	2	48	...	...	...	...	...	...	...	...	...
Principles and Methods of Secondary School Teaching	312	2	38	...	...	...	...	...	...	...	...	...
Principles and Methods of Secondary School Teaching	313	2	28	...	...	...	...	...	...	...	...	...
Educational Classics	352	2	6	...	...	...	...	...	...	...	...	...
Educational Classics	353	2	5	...	...	...	...	...	...	...	...	...
History of Education in the U. S. since 1860	358	2	8	...	...	...	...	...	...	...	...	...
History of Education in the U. S. since 1860	359	2	5	...	...	...	...	...	...	...	...	...
Methods and Problems of the Physical Sciences	382	2	9	...	...	...	...	...	...	...	...	...
Methods and Problems of the Physical Sciences	383	2	9	...	...	...	...	...	...	...	...	...
Wood and Cabinet Work	409	5	13	...	...	...	...	...	...	...	...	...
Wood and Cabinet Work	413	5	13	...	...	...	...	...	...	...	...	...
Problems of Planning the Laboratory: Equipment, Maintenance and Supplies	430	3	4	...	...	...	...	...	...	...	...	...
Project Design	450	3-5	4	...	...	...	...	...	...	...	...	...
The Laboratory of Industries	455	5	12	455	5	14	...	...	...	...	...	...
Wood and Cabinet Work .....	...	...	...	...	...	...	458	5	34	458	5	27
Teaching Nature Study and Science in Elementary Schools	473	3	29	...	...	...	...	...	...	...	...	...
Teaching of Arithmetic in the Elementary Schools	492	3	35	...	...	...	...	...	...	...	...	...
Teaching of English Studies in Elementary Schools	493	3	42	...	...	...	...	...	...	...	...	...
Teaching of Social Studies in the Intermediate Grades	494	3	11	...	...	...	...	...	...	...	...	...
Introduction to the Study of Education .....	...	...	...	501	4	227	...	...	...	501	4	288
The Evolution of the Elementary School .....	...	...	...	507	5	24	...	...	...	...	...	...
History of Elementary Education	401	5	4	...	...	...	...	...	...	...	...	...
The History of Modern Education to 1750	625	3	64
The History of Modern Education since 1750	626	3	84

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THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Students in All Sections Total No. of
Administration of Standard Tests in Elementary Education (School Administration).....	624	3	19	...	...	...	...	...	...	...	...	...
Administration of Standard Tests in Secondary Schools	625	3	16	...	...	...	...	...	...	...	...	...
Organization of the Junior High School.....	631	3	27	...	...	...	...	...	...	...	...	...
The History of Modern Education since 1750.....	...	...	...	631	3	37	...	...	...	631	3	25
The History of Modern Education.....	...	...	...	632	5	100	632	5	99	632	5	66
The Evolution of Educational Thought.....	...	...	...	635	5	*	...	...	...	...	...	...
*Historical and Comparative Study of Secondary Education .....	...	...	...	637	5	9	...	...	...	...	...	...
Great Teachers	639	2	18	...	...	...	...	...	...	639	2	27
The History of Vocational Education.....	...	...	...	641	3	9	...	...	...	...	...	...
History of Agricultural Education.....	602	5	0	...	...	...	...	...	...	...	...	...
Progressive Trends in Secondary Education...	642	3	54	...	...	...	...	...	...	642	3	11
History and Principles of Physical Education (Men)	683	5	See Women	...	...	...	...	...	...	...	...	...
History and Principles of Physical Education (Women)	683	5	8	...	...	...	...	...	...	...	...	...
*School Publicity	636	2	49	...	...	...	...	...	...	...	...	...
History of Education in the United States.....	...	...	...	...	...	...	...	...	...	644	5	0
Fundamentals in Early Childhood and Elementary Education	650	5	*	650	5	*	650	5	*	...	...	...
Principles and Methods of Teaching Mentally Retarded	654	3	17	...	...	...	...	...	...	...	...	...
Problems in the Direction and Supervision of Elementary Teacher Training .....	...	...	...	...	...	...	658	5	9	...	...	...
Elementary Teacher Training	616	3	9	...	...	...	...	...	...	...	...	...
Principles of Commercial Education.....	660	3	13	...	...	...	...	...	...	...	...	...
Problems of Elementary Teachers in Service..	...	...	...	661	2	90	...	...	...	...	...	...
Administration and Supervision of Commercial Education	665	3	10	...	...	...	...	...	...	...	...	...
Administration of Teacher Retirement and Pension Systems	670	1	18	...	...	...	...	...	...	670	1	36
Teaching Literature in the High School.....	...	...	...	670	5	38	...	...	...	...	...	...
Teaching High School Literature.....	340	3	47	...	...	...	...	...	...	...	...	...
Teaching Composition in High School.....	...	...	...	671	5	30	...	...	...	671	5	26
Teaching Composition in High School.....	343	3	55	...	...	...	...	...	...	...	...	...
The Teaching of Dramatics.....	...	...	...	673	5	3	...	...	...	...	...	...
Organizing History for the Classroom.....	...	...	...	677	5	38	...	...	...	677	5	42

The History Course of Study in Secondary Schools	384	3	16	...	...	...	...	...	...	...	...	...
The History Course of Study in Secondary Schools	385	3	10	...	...	...	...	...	...	...	...	...
The Teaching of the Social Studies .....	...	...	...	678	5	14	...	...	...	678	5	34
The Teaching of History	700	3	33	...	...	...	...	...	...	...	...	...
The Teaching of Biology .....	...	...	...	...	...	...	...	...	...	683	3	44
The Teaching of Chemistry and Physics	684	3	14	...	...	...	...	...	...	684	3	26
The Teaching of Nursing .....	...	...	...	...	...	...	...	...	...	685	3	12
The Teaching of Mathematics	687	3	15	687	3	21	...	...	...	...	...	...
The Teaching of German .....	...	...	...	...	...	...	690	3	9	...	...	...
Methods and Techniques of Teaching Roman Languages .....	...	...	...	...	...	...	...	...	...	...	...	...
The Teaching of French	740	3	7	692	5	16	...	...	...	...	...	...
The Teaching of Spanish	745	3	2	...	...	...	...	...	...	...	...	...
The Teaching of Latin .....	...	...	...	...	...	...	...	...	...	...	...	...
The Teaching of Mechanical Drawing I .....	...	...	...	696	3	27	...	...	...	...	...	...
The Teaching of Mechanical Drawing II .....	...	...	...	...	...	...	...	...	...	...	...	...
Extra-Curricular Activities of Secondary Schools	699	3	74	...	...	...	699	3	24	...	...	...
Survey of Secondary Education .....	...	...	...	700	5	0	...	...	...	...	...	...
Major Course in Secondary Education I .....	...	...	...	701	5	19	...	...	...	...	...	...
Major Course in Secondary Education II .....	...	...	...	...	...	...	702	5	19	...	...	...
Survey of Higher Education .....	...	...	...	...	...	...	...	...	...	711	5	3
Analysis and Organization of Subject Matter in Industrial Education	714	3	7	...	...	...	714	3	9	...	...	...
Teaching and Supervision of Journalism in Secondary Schools	716	3	6	...	...	...	...	...	...	...	...	...
Subject Matter and Method in Commercial Education	718	3	13	718	3	11	...	...	...	...	...	...
Subject Matter and Method in the Laboratory of Commerce	719	3	14	...	...	...	...	...	...	719	3	4
Introduction to School Administration	727	3	64	727	3	6	...	...	...	...	...	...
Administration of Rural and Village Schools .....	...	...	...	...	...	...	729	3	9	...	...	...
Administration of Non-Urban Education	610	3	44	...	...	...	...	...	...	...	...	...
Administration of Physical and Health Education	731	3	13	...	...	...	...	...	...	731	3	*
Administration of School Financial Accounting in Ohio	733	2	26	...	...	...	733	2	9	...	...	...
School Finance	734	3	67	734	3	5	...	...	...	...	...	...
Business Administration of Schools	735	3	23	...	...	...	735	3	9	...	...	...
Administration of Pupil Personnel .....	...	...	...	...	...	...	738	3	0	738	3	0
Public School Relations .....	...	...	...	...	...	...	740	2	0	...	...	...
Legal Aspects of School Administration	742	3	20	...	...	...	...	...	...	742	3	10
Fundamentals of Guidance	750	5	21	750	5	12	...	...	...	...	...	...
Vocational Studies	752	5	17	...	...	...	...	...	...	752	5	9
The Administration of Guidance Programs	754	3	26	...	...	...	...	...	...	754	3	8
Spoken English: Teachers' Course	760	3	6	...	...	...	...	...	...	...	...	...
Supervised Teaching in Special Classes .....	...	...	...	...	...	...	...	...	...	764	5	0
Principles and Methods of Teaching Behavior Problem Children	766	3	36	...	...	...	766	3	10	...	...	...
Administration of Special Education	767	3	6	767	3	3
Research in the Laboratory of Industries	800	3-5	9	800	3-5	24

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Individual Problems .....	...	...	...	800	2-10	17	800	2-10	16	...	...	...
Administration of Colleges and Universities...	801	3	6	...	...	...	...	...	...	...	...	...
Special Problems in Educational Theory.....	801	3	4	...	...	...	...	...	...	...	...	...
Seminary in School Administration.....	802	2-5	22	...	...	...	...	...	...	...	...	...
The Preparation of Theses and Other Scientific Reports	802	3	60	...	...	...	802	3	10	...	...	...
Educational Experimentation .....	...	...	...	...	...	...	...	...	...	804	5	...
Major Research Problems (School Administration)	804	3	35	...	...	...	...	...	...	...	...	...
Major Research Problems (Practical Arts)...	804	3	3	...	...	...	...	...	...	...	...	...
Special Problems in Secondary Education.....	810	3	1	...	...	...	...	...	...	...	...	...
Seminary: Special Problems in Educational Theory .....	...	...	...	811	3	3	...	...	...	811	3	3
Comparative Education .....	...	...	...	...	...	...	814	5	4	...	...	...
Comparative Education	613	2	9	...	...	...	...	...	...	...	...	...
Seminary in County School Administration...	815	2-5	14	...	...	...	...	...	...	...	...	...
Seminary in School Finance and Business Management Principles	816	2-5	11	...	...	...	...	...	...	...	...	...
Seminary in the History of Education.....	816	2-5	1	816	2-5	2	816	2-5	2	816	2-5	0
Seminary in Secondary School Administration	817	2-5	21	...	...	...	...	...	...	...	...	...
Administration of the Curriculum in Secondary School	818	3	28	...	...	...	...	...	...	...	...	...
Special Educational Problems in the Physical Sciences in Secondary School (Prin.).....	820	3	7	...	...	...	...	...	...	...	...	...
The Administration of Curriculum Reorganization (School Administration)	820	3	6	...	...	...	...	...	...	...	...	...
Major Course in Early Childhood and Elementary Education .....	...	...	...	821	5	21	...	...	...	...	...	...
Major Course in Early Childhood and Elementary Education .....	...	...	...	...	...	...	822	5	4	...	...	...
Special Problems in Elementary Education...	824	3	9	...	...	...	...	...	...	...	...	...
Early Childhood and Elementary Curriculum..	...	...	...	...	...	...	...	...	...	824	5	4
Curriculum Construction in Elementary Education	614	3	13	...	...	...	...	...	...	...	...	...
Administration of the Curriculum in the Elementary School	640	3	17	...	...	...	...	...	...	...	...	...
Elementary School Administration and Supervision	825	5	5
Supervision of Elementary School Teaching..	613	3	13

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Planning and Construction of School Buildings	855	3	15	...	...	...	...	...	...	...	...	...
Equipment of School Buildings	856	2	12	...	...	...	...	...	...	...	...	...
Seminary in School Administration	882	2-5	6	882	2-5	6	882	2-5	3
Seminary in Special Education	897	3-5	12
ELECTRICAL ENGINEERING												
Electrical Engineering Survey	461	3	66	...	...	...	...	...	...
Direct Current Equipment	601	5	13	...	...	...	...	...	...	601	5	21
Alternating Current Circuits	603	5	13	603	5	34	...	...	...	...	...	...
Alternating Current Laboratory	604	3	12	604	2	30	...	...	...	...	...	...
Applied Electronics	607	4	8	607	4	23	...	...	...
Medium and High Frequency Currents	611	5	10	611	5	17
Electrical Engineering	640	2	34	...	...	...
Electrical Engineering	641	5	30
Electrical Engineering	642	4	57	642	4	63	...	...	...
Electrical Engineering	643	4	0	643	4	42	643	4	34
Electrical Engineering Survey	661	3	28	...	...	...	...	...	...
Alternating Current Equipment	701	3	27	701	3	11	...	...	...
Alternating Current Equipment	702	3	22	702	3	11
Alternating Current Laboratory	705	4	24	705	4	9	...	...	...
Alternating Current Laboratory	706	4	18	706	4	13
Electrical Railways	710	4	14	...	...	...	...	...	...
Communication Engineering	716	4	33	...	...	...	...	...	...
Communication Engineering	717	4	22	...	...	...
Electrical Illumination	720	4	19	...	...	...	...	...	...
Electrical Illumination	722	3	7	...	...	...
Advanced Electrical Communication	726	4	11
Electrical Design	730	4	3	...	...	...
Thesis	735	3	2	735	3	4	735	3	0
Thesis	736	3	0	736	3	0	736	3	3
Electrical Utilities Engineering	741	3	30
Electrical Transmission and Distribution	742	3	16	...	...	...
Advanced Alternating Current Machinery	746	5	16
Advanced Theoretical Study of Electrical Engineering Practice and Equipment	760	...	4	...	...	...	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment	761	...	9	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment	762	...	0
Special Advanced Laboratory	765	...	0	...	...	...	...	...	...

Special Advanced Laboratory	...	...	...	...	...	766	...	1	...	...	...	...
Special Advanced Laboratory	...	...	...	...	...	...	...	...	767	...	...	1
The Application of Mathematics to Electrical Engineering Problems	...	...	...	...	...	...	...	...	770	3	7	...
Engineering Field Problems	...	...	...	...	...	...	...	...	780	2	7	...
Electrical Engineering Practice	...	...	...	...	...	783	1	30	...	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment	...	...	...	801	6	...	...	...	...	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment	...	...	...	...	...	802	...	3	...	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment	...	...	...	...	...	...	...	...	803	...	8	...
Advanced Laboratory Study of Electrical Engineering Equipment	...	...	...	805	1	...	...	...	...	...	...	...
Advanced Laboratory Study of Electrical Engineering Equipment	...	...	...	...	...	806	...	3	...	...	...	...
Advanced Laboratory Study of Electrical Engineering Equipment	...	...	...	...	...	...	...	...	807	...	1	...
*Revolving Fields and Permeances in Electrical Machinery	...	...	...	821	3	5	...	...	...	...	...	...
Revolving Fields and Permeances in Electrical Machinery	...	...	...	...	...	822	3	3	...	...	...	...
Advanced Synchronous Machine Theory	...	...	...	824	3	2	...	...	...	...	...	...
Advanced Synchronous Machine Theory	...	...	...	...	...	825	3	2	...	...	...	...
Advanced Synchronous Machine Theory	...	...	...	...	...	...	...	...	826	3	0	...
Transmission Networks	...	...	...	...	...	831	3	6	...	...	...	...
Electromagnetic Radiation and Radiating systems	...	...	...	...	...	...	...	...	832	3	10	...
Research in Electrical Engineering	...	...	...	950	...	5	950	...	0	950	...	10
*Research Work	813	...	1	...	...	...	...	...	...	...	...	...
ENGINEERING DRAWING												
Principles of Engineering Drawing	401	4	3	401	4	273	401	4	65	...	...	...
Principles of Engineering Drawing	402	4	3	...	...	...	402	4	219	402	4	52
Descriptive Geometry	403	4	10	403	4	58	403	4	14	403	4	161
Descriptive Geometry	...	...	...	...	...	...	...	...	...	404	4	28
Principles of Engineering Drawing	...	...	...	411	4	24	...	...	...	...	...	...
Principles of Engineering Drawing	...	...	...	...	...	...	412	4	15	...	...	...
Descriptive Geometry	...	...	...	...	...	...	...	...	...	413	4	17
Drawing and Sketching	...	...	...	414	2	55	...	...	...	...	...	...
Descriptive Geometry	...	...	...	...	...	...	...	...	...	415	4	14
Elements of Drawing and Lettering	...	...	...	...	...	...	...	...	...	416	2	54
Engineering Drawing	...	...	...	421	3	79	...	...	...	...	...	...
Machine Drawing	...	...	...	...	...	...	422	3	17	...	...	...
Advanced Descriptive Geometry	...	...	...	424	4	34	424	4	8	...	...	...
Engineering Drawing	...	...	...	425	2	62	...	...	...	...	...	...
Technical Drawing	...	...	...	426	3	12	...	...	...	426	3	41
House Planning	...	...	...	438	5	30	438	5	33	438	5	40
Drawing in Business	...	...	...	...	...	...	439	5	5	...	...	...
Chemical Machine Drawing	701	701	2	29
Chemical Plant Layout and Design	704	4	32

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
ENGLISH												
Shakespeare	335	2	38	...	...	...	...	...	...	...	...	...
Shakespeare	336	...	26	...	...	...	...	...	...	...	...	...
Composition and Reading	401	5	35	401	5	597	401	5	305	401	5	422
Theme Writing	405	5	18	405	5	59	405	5	44	405	5	62
English Composition .....	...	...	...	410	3	300	410	3	152	...	...	...
English Composition .....	...	...	...	...	...	...	411	3	276	411	3	160
English Composition .....	...	...	...	412	3	121	...	...	...	412	3	265
Advanced English for Engineers .....	...	...	...	419	3	81	419	3	36	419	3	45
An Introduction to Literature	430	5	102	430	5	431	430	5	542	430	5	565
Nineteenth Century Poetry: Victorian	442	5	41	442	5	74	442	5	83	442	5	72
Shakespeare	450	5	41	450	5	203	450	5	132	450	5	259
Advanced Composition .....	...	...	...	507	5	36	...	...	...	...	...	...
English Words .....	...	...	...	...	...	...	528	3	36	528	3	54
The English Bible .....	...	...	...	529	5	45	...	...	...	...	...	...
Literature and Composition .....	...	...	...	...	...	...	...	...	...	543	5	25
American Literature	608	5	23	...	...	...	...	...	...	608	5	120
History of the English Language	627	3	26	637	3	28	...	...	...	...	...	...
Eighteenth Century Poetry and Prose	636	5	28	636	5	57	...	...	...	636	5	48
The Essay .....	...	...	...	...	...	...	639	5	34	...	...	...
Nineteenth Century Poetry: Romantic	641	5	18	641	5	48	641	5	50	641	5	75
Nineteenth Century Prose	644	5	18	644	5	32	...	...	...	...	...	...
Middle English .....	...	...	...	...	...	...	646	3	4	...	...	...
Old English Prose and Poetry .....	...	...	...	651	5	11	...	...	...	...	...	...
Chaucer and His Principal Contemporaries and Successors	653	5	22	...	...	...	653	5	19	...	...	...
English Medieval Literature to Chaucer .....	...	...	...	654	5	10	...	...	...	...	...	...
The Novel: Richardson to Scott .....	...	...	...	655	5	*	...	...	...	...	...	...
The Novel: Dickens to Meredith .....	...	...	...	...	...	...	656	5	74	...	...	...
Versification .....	...	...	...	...	...	...	...	...	...	657	5	28
The Short Story .....	...	...	...	...	...	...	658	5	34	...	...	...
Seventeenth Century Literature	659	5	24	659	5	0	...	...	...	659	5	35
The Celtic Renaissance	664	5	6	...	...	...	...	...	...	664	5	14
Recent and Contemporary Drama	670	5	35	...	...	...	670	5	78	...	...	...
Spenser .....	...	...	...	...	...	...	674	5	25	...	...	...
Play Production .....	...	...	...	...	...	...	675	5	16	...	...	...
Shakespeare and His Contemporaries in English Drama	676	5	25	676	5	42	...	...	...	...	...	...

Shakespeare and His Contemporaries in English Drama .....	...	...	...	...	...	677	5	15	...	...	...	...
Advanced Play Production .....	...	...	...	...	...	...	...	...	679	5	13	...
The Influence of the Theater on the Drama .....	...	...	...	...	...	...	...	...	680	3	32	...
Honors Course .....	...	...	705	3-10	7	...	...	...	...	...	...	...
Honors Course .....	...	...	...	...	...	706	3-10	5	...	...	...	...
Honors Course .....	...	...	...	...	...	...	...	...	707	3-10	5	...
Bibliography and Methods of Research in English Literature	800	2	5	800	2	5	...	...	...	...	...	...
History of the Short Narrative in English .....	...	...	...	801	2	15	...	...	...	...	...	...
The Lyric .....	...	...	...	...	...	...	802	2	3	...	...	...
The Novel: End of the Nineteenth Century .....	...	...	...	...	...	...	807	2	*	...	...	...
Poetry: End of the Nineteenth Century .....	...	...	808	2	...	...	...	...	...	...	...	...
The 20th Century Realistic Novel: Considered in Relation to its Origin, English and French .....	...	...	...	...	...	...	...	...	809	2	0	...
Studies in Modern English Language	810	3	3	...	...	...	810	3	6	...	...	...
Studies in the Period of Chaucer .....	...	...	...	...	...	...	...	...	811	3	4	...
Studies in American Literature	814	2	5	...	...	...	...	...	814	2	10	...
Studies in 17th Century Literature	815	5	2	815	5	6	815	5	3	815	5	1
Studies in Poetic Rhythm	816	2	7	816	2	7	...	...	...	...	...	...
Studies in 18th Century Literature .....	...	...	...	...	...	...	...	...	818	5	3	...
Discussion of Dissertations	819	2-5	6	...	...	...	...	...	...	...	...	...
Discussion of Dissertations	820	2-5	7	...	...	...	...	...	...	...	...	...
Discussion of Dissertations	821	2-5	2	...	...	...	...	...	822	2	1	...
Play Writing .....	...	...	...	...	...	...	...	...	...	...	...	...
Studies in the Romantic Movement	823	5	7	...	...	...	823	5	7	...	...	...
Studies in the Romantic Movement .....	...	...	...	...	...	...	...	...	824	5	4	...
Research in English .....	...	...	950	...	9	950	...	10	950	...	6	...
PUBLIC SPEAKING												
Principles and Practice of Public Speaking	401	5	29	401	5	130	401	5	99	401	5	215
Debating .....	...	...	...	402	5	17	402	5	17	402	5	24
Principles and Practice of Oral Reading	459	3	20	459	3	47	459	3	39	...	...	...
Business and Professional Speaking .....	...	...	...	501	3	8	...	...	...	...	...	...
Advanced Debate Practice .....	...	...	...	610	5	4	...	...	...	...	...	...
The Forms of Public Address .....	...	...	...	...	...	...	...	...	...	625	5	13
Special Problems in the Theory of Public Speaking .....	...	...	...	...	...	...	...	...	...	651	5	3
FINE ARTS												
Elementary Freehand Drawing	321	3	44	...	...	...	...	...	...	...	...	...
Advanced Freehand Drawing	323	3	13	...	...	...	...	...	...	...	...	...
Elementary Design	331	3	8	...	...	...	...	...	...	...	...	...
Intermediate Design	332	3	6	...	...	...	...	...	...	...	...	...
Art Problems for Elementary Teachers	335	3	32	...	...	...	...	...	...	...	...	...
Principles of Art	336	3	11	...	...	...	...	...	...	...	...	...
Water Color Painting	341	3	9	...	...	...	...	...	...	...	...	...
Problems in Art Education	381	3	8	...	...	...	...	...	...	...	...	...
Freehand Drawing .....	...	...	...	401	2	63	...	...	...	...	...	...
Freehand Drawing .....	...	...	...	...	...	...	402	2	79	...	...	...
Freehand Drawing	403	2	34
Advanced Freehand Drawing	404	2	6
Advanced Freehand Drawing	405	2	6

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Water Color Painting	407	2	1	...	...	...	407	2	18
Water Color Painting	408	3	9	...	...	...	408	3	3
Drawing from Life	411	3	3	411	3	5	411	3	7
Drawing from Life	412	3	0	412	3	5	412	3	2
Elementary Freehand Drawing	421	5	7	421	5	101	421	5	56	421	5	79
Advanced Freehand Drawing	423	5	9	423	5	34	423	5	60	423	5	25
Drawing from Life	424	5	43	424	5	26	424	5	29
Elementary Design	431	5	4	431	5	87	431	5	103	431	5	148
Intermediate Design	432	5	21	432	5	27	432	5	43
Costume Design	437	3	23	437	3	24	437	3	34
Water Color Painting	441	5	10	441	5	16	...	...	...	441	5	36
Oil Painting	442	5	13	442	5	10	442	5	12	442	5	13
History of Ancient Art	451	5	84	...	...	...	...	...	...
History of Medieval and Renaissance Art	452	5	85	...	...	...
History of Renaissance and Modern Art	453	5	79
History of Costume Design	456	3	0	...	...	...
Sculpture	461	5	9	461	5	8	461	5	12
Appreciation of the Fine Arts	479	3	109	479	3	67	479	3	65
Elementary Ceramic Art	490	5	12	...	...	...	...	...	...
Elementary Ceramic Art	491	5	9	...	...	...
Elementary Ceramic Art	492	5	9
Appreciation of Landscape Design	500	2	33
Advanced Life Drawing	505	5	8	505	5	23	505	5	20
Theory of Landscape Design	509	2	11	...	...	...	...	...	...
Theory of Landscape Design	510	2	7	...	...	...
Elementary Landscape Design	511	2	8
Elementary Landscape Design	512	3	6	...	...	...	...	...	...
Elementary Landscape Design	513	3	6	...	...	...
Elementary Landscape Design	514	3	6
Intermediate Landscape Design	515	5	7	...	...	...	...	...	...
Intermediate Landscape Design	516	5	7	...	...	...
Intermediate Landscape Design	517	5	7
Advanced Landscape Design	518	8	5	...	...	...	...	...	...
Advanced Landscape Design	519	8	5	...	...	...
Advanced Landscape Design	520	8	5
Composition in Planting	524	2	6	...	...	...	...	...	...
Composition in Planting	525	2	7	...	...	...
Composition in Planting	526	2	7
History of Landscape Architecture	530	5	7	...	...	...	...	...	...
Commercial Design	533	5	12	...	...	...

Specialized Design .....	...	...	...	534	5	3	534	5	6	534	5	15
Illustrative Drawing .....	...	...	...	535	5	6	...	...	...	535	5	1
*Planting Design .....	...	...	...	541	3	5	...	...	...	...	...	...
Planting Design .....	...	...	...	...	...	...	542	3	5	...	...	...
Planting Design .....	...	...	...	...	...	...	...	...	...	543	3	5
Advanced Water Color Painting	544	5	4	544	5	8	...	...	...	544	5	10
Landscape Construction .....	...	...	...	...	...	...	551	5	12	...	...	...
Landscape Construction .....	...	...	...	...	...	...	...	...	...	552	5	11
Landscape Construction .....	...	...	...	553	5	6	...	...	...	...	...	...
Advanced Oil Painting .....	...	...	...	560	5	3	560	5	4	560	5	4
Advanced Sculpture .....	...	...	...	562	5	2	562	5	2	562	5	4
Technical Problems .....	...	...	...	565	3-15	62	...	...	...	565	3-15	1
Technical Problems	566	3-15	34	...	...	...	566	3-15	75	...	...	...
Technical Problems .....	...	...	...	...	...	...	...	...	...	567	3-15	89
The Teaching of Art in the Elementary Schools .....	...	...	...	569	5	40	...	...	...	...	...	...
The Teaching of Art in the Elementary Schools .....	...	...	...	...	...	...	570	5	43	...	...	...
Ceramic History and Decorative Processes .....	...	...	...	590	5	7	...	...	...	...	...	...
Ceramic History and Decorative Processes .....	...	...	...	...	...	...	591	5	4	...	...	...
Ceramic History and Decorative Processes .....	...	...	...	...	...	...	...	...	...	592	5	4
Ceramic Composition .....	...	...	...	593	5	0	...	...	...	...	...	...
Ceramic Composition .....	...	...	...	...	...	...	594	5	0	...	...	...
Ceramic Composition .....	...	...	...	...	...	...	...	...	...	595	5	0
*Arrangement and Planting of Gardens and Small Properties .....	...	...	...	...	...	...	540	5	2	...	...	...
The Theory and Practice of Teaching Art .....	...	...	...	...	...	...	600	5	27	...	...	...
Portrait Painting .....	...	...	...	645	5	9	...	...	...	...	...	...
Portrait Painting .....	...	...	...	...	...	...	646	5	12	...	...	...
Portrait Painting .....	...	...	...	...	...	...	...	...	...	647	5	16
History of Renaissance Art .....	...	...	...	...	...	...	...	...	...	654	5	18
Advanced Technical Problems .....	...	...	...	661	3-15	26	...	...	...	661	3-15	1
Advanced Technical Problems	662	3-15	26	...	...	...	662	3-15	39	662	3-15	0
Advanced Technical Problems .....	...	...	...	...	...	...	...	...	...	663	3-15	31
The History of Art of Ancient Egypt and Mesopotamia .....	...	...	...	670	2	28	...	...	...	...	...	...
History of Hellenic Art .....	...	...	...	671	3	32	...	...	...	...	...	...
History of Moslem Art .....	...	...	...	...	...	...	672	2	*	...	...	...
History of Christian Art of the Middle Ages .....	...	...	...	...	...	...	673	3	20	...	...	...
History of Spanish Art .....	...	...	...	...	...	...	674	2	28	...	...	...
History of American Art .....	...	...	...	...	...	...	...	...	...	676	2	14
History of French Art from beginning of 17th Century to the Present Day .....	...	...	...	...	...	...	...	...	...	677	3	16
History of Art in the Low Countries .....	...	...	...	...	...	...	...	...	...	678	2	0
History of German Art .....	...	...	...	...	...	...	...	...	...	679	3	0
Major Technical Problems .....	...	...	...	801	3-15	12	...	...	...	...	...	...
Major Technical Problems .....	...	...	...	...	...	...	802	3-15	11	...	...	...
Major Technical Problems .....	...	...	...	...	...	...	...	...	...	803	3-15	7
Major Historical Problems .....	...	...	...	804	3-15	7	...	...	...	...	...	...
Major Historical Problems	805	3-15	4
Major Historical Problems	806	3-15	3

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
GEOGRAPHY												
Principles of Geography.....	401	5	77	401	5	378	401	5	220	401	5	291
Economic Geography	403	5	23	403	5	92	403	5	101	403	5	124
Cartography and Map Interpretation.....	...	...	...	...	...	...	...	...	...	421	2	12
Historical Geography and Commerce of the United States	422	3	17	422	3	112	422	3	99	422	3	100
The Localization of Manufacturing Industries of the United States .....	...	...	...	...	...	...	...	...	...	603	4	16
Conservation of Natural Resources.....	...	...	...	604	2	19	...	...	...	...	...	...
Economic and Social Geography of Ohio.....	605	2	22	...	...	...	605	2	17	...	...	...
Climatology	621	3	12	615	3	8	...	...	...	...	...	...
Geography of Europe	621	3	12	621	3	21	...	...	...	...	...	...
Geography of South America.....	624	3	19	623	3	28	624	3	18	...	...	...
Geography of the Caribbean Region.....	...	...	...	...	...	...	...	...	...	625	3	20
Geography of the Far East.....	...	...	...	631	3	34	...	...	...	631	3	69
The Geography and History of Commerce.....	632	3	29	632	3	*	...	...	...	...	...	...
World Industries and Commerce.....	...	...	...	...	...	...	634	3	64	...	...	...
Trade Centers and Trade Routes.....	641	1-3	2	...	...	...	...	...	...	641	1-3	3
Field Work in Geography and Commerce.....	642	3	15	642	3	3	642	3	3	642	3	3
Special Problems in Geography and Commerce.....	...	...	...	...	...	...	651	3	15	...	...	...
Anthropogeography	801	1-3	5	...	...	...	...	...	...	...	...	...
Research in Geography and Commerce.....	802	1-3	3	...	...	...	...	...	...	...	...	...
Research in Geography and Commerce.....	811	2	4	...	...	...	...	...	...	811	2	1
History of Geography .....	...	...	...	...	...	...	...	...	...	...	...	...
Problems in the Geography of Foreign Commerce	815	1-3	0	...	...	...	...	...	...	...	...	...
Problems in the Geography of Foreign Commerce	816	1-3	0	...	...	...	...	...	...	...	...	...
Research in Physical Geography.....	831	1-3	2	...	...	...	...	...	...	...	...	...
Seminary in Geography and Commerce.....	...	...	...	850	2	2	850	2	0	850	2	2
Research in Geography and Commerce.....	...	...	...	950	...	2	950	...	2	950	...	1
GEOLOGY												
General Geology .....	...	...	...	401	5	199	401	5	100	401	5	55
General Geology .....	...	...	...	402	5	37	402	5	129	402	5	86
The Geology of our Mineral Wealth.....	...	...	...	...	...	...	411	5	25	...	...	...
Geologic Life Development.....	...	...	...	...	...	...	...	...	...	412	5	29
Meteorology .....	...	...	...	...	...	...	420	5	*	...	...	...
Engineering Geology .....	...	...	...	435	5	29	435	5	27	...	...	...

Advanced General Geology: Physiography	601	5	12	602	5	11	603	5	9
Advanced General Geology: Structural and Dynamic	605	5	9	606	3	11	607	3	7
Advanced General Geology: Historical	608	5	9	609	5	10	610	3	*
Economic Geology: Metals	612	3-5	0	612	3-5	0	612	3-5	8
Economic Geology: Non-Metals	616	5	5	616	5	5	615	5	*
Economic Geology: Petroleum	620	3	8	621	3	6	622	3	7
Stratigraphic Geology of Ohio	627	8	10	623	3	*	623	3	*
Petrology	801	3	*	802	3	*	803	3	*
Physiography of the United States	807	3 or 4	4	807	3 or 4	2	807	3 or 4	3
Special Problems	810	3	4	810	3	4	811	3	3
Geological Surveying	815	2	2	816	2	0	812	5	*
Clays	950	0	0	950	2	0	817	2	0
Introductory Paleontology	401	5	20	401	5	93	950	0	0
Introductory Paleontology	402	5	57	402	5	246	401	5	52
Introductory Paleontology	403	5	74	403	5	50	402	5	63
Micro-Paleontology	404	5	10	404	5	57	403	5	166
Field Geology	406	5	42	406	5	38	404	5	28
Advanced Historical Geology	407	2	6	407	2	22	406	5	46
Advanced Historical Geology	408	2	13	408	2	13	407	2	35
Advanced Historical Geology	415	3	42	415	3	42	407	2	35
Advanced Paleontology	434	3	27	434	3	27	437	3	44
Geology of the Eastern United States	443	3	5	443	3	5	443	3	5
Geology of the Western United States	625	3	15	625	3	15	625	3	15
Principles of Sedimentation and Stratigraphy	628	3	13	628	3	13	628	3	13
Seminary in Metamorphic Geology	638	3	5	638	3	5	638	3	5
Seminary in Structural Geology	655	3	11	655	3	11	655	3	11
Seminary in Earth Tectonics	673	3	3	673	3	3	673	3	3
Research in Geology	695	2-10	4	695	2-10	4	695	2-10	4
GERMAN	801	3	*	801	3	*	801	3	*
*Elementary German	805	3	5	805	3	5	805	3	5
Elementary German	401	5	20	401	5	20	401	5	20
Intermediate German	402	5	57	402	5	57	402	5	57
Easy Classical Readings	403	5	74	403	5	74	403	5	74
Science Reading	404	5	10	404	5	10	404	5	10
Elementary Composition	406	5	42	406	5	42	406	5	42
Elementary Composition	407	2	6	407	2	6	407	2	6
Lessing: Minna von Barnhelm: Emilia Galotti	408	2	13	408	2	13	408	2	13
Advanced German	415	3	42	415	3	42	415	3	42
Selected Readings from Fontaine and Raabe	434	3	27	434	3	27	434	3	27
Advanced German: Modern Drama	443	3	5	443	3	5	443	3	5
Friedrich Schiller, Life and Works	625	3	15	625	3	15	625	3	15
Studies in German Romanticism	628	3	13	628	3	13	628	3	13
Hebbel	638	3	5	638	3	5	638	3	5
Proseminary: 18th and 19th Century Literature	655	3	11	655	3	11	655	3	11
Phonetics	673	3	3	673	3	3	673	3	3
Middle High German	695	2-10	4	695	2-10	4	695	2-10	4
The German Language	801	3	*	801	3	*	801	3	*
Advanced Composition	805	3	5	805	3	5	805	3	5
Minor Investigations	401	5	20	401	5	20	401	5	20
Advanced Middle High German	402	5	57	402	5	57	402	5	57
Gothic	403	5	74	403	5	74	403	5	74

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Old High German	810	3	6
Seminary in German Literature.....	860	3	5	860	3	11	860	3	7	860	3	8
Research in German .....	...	...	...	950	...	2	950	...	6	950	...	12
*Advanced German	343	1	3	...	...	...	...	...	...	...	...	...
Proseminary	388	1	2	...	...	...	...	...	...	...	...	...
HISTORY												
Modern European History to 1815.....	401	5	30	401	5	336	401	5	127	401	5	114
Modern Europe since 1815 .....	...	...	...	402	5	101	402	5	195	402	5	126
History of the United States (1763-1850)....	...	...	...	403	5	464	403	5	255	403	5	213
History of the United States (1850-1925)....	404	5	36	404	5	175	404	5	312	404	5	209
Medieval Europe (400-1500).....	...	...	...	407	5	32	...	...	...	...	...	...
Outline of the History of Western Civilization	...	...	...	408	5	60	...	...	...	...	...	...
Outline of the History of Western Civilization	...	...	...	...	...	...	409	5	60	...	...	...
Outline of the History of Western Civilization	...	...	...	...	...	...	...	...	...	410	5	58
England to 1603 .....	...	...	...	421	5	28	...	...	...	...	...	...
England since 1603 .....	...	...	...	...	...	...	422	5	30	...	...	...
The History of Ohio .....	...	...	...	...	...	...	...	...	...	437	3	27
The Renaissance .....	...	...	...	607	3	32	...	...	...	...	...	...
The Reformation .....	...	...	...	...	...	...	608	3	30	...	...	...
The Roman Empire, the Period of the Prin-	...	...	...	...	...	...	...	...	...	...	...	...
cipate .....	...	...	...	609	3	0	...	...	...	...	...	...
The Late Roman Empire .....	...	...	...	...	...	...	610	3	0	...	...	...
Constitutional History of England to 1485....	...	...	...	611	3	14	...	...	...	...	...	...
Constitutional History of England since 1485.	...	...	...	...	...	...	612	3	12	...	...	...
England in the Tudor Period.....	...	...	...	...	...	...	...	...	...	613	3	14
England in the Stuart Period.....	...	...	...	...	...	...	...	...	...	614	3	15
The Absolute Monarchy (1650-1789).....	...	...	...	...	...	...	...	...	...	617	3	18
Medieval Civilization	619	3	42	...	...	...	...	...	...	...	...	...
Expansion of Europe to 1588.....	...	...	...	...	...	...	621	3	...	...	...	...
Expansion of Europe from 1588 to 1815.....	...	...	...	...	...	...	622	3	20	...	...	...
Expansion of Europe from 1815 to Present...	...	...	...	...	...	...	...	...	...	623	3	34
The French Revolution and Napoleon.....	624	3	30	624	3	13	...	...	...	...	...	...
The Third French Republic.....	...	...	...	...	...	...	...	...	...	625	3	11
The Reconstruction of Europe (1919-1932)....	628	3	32	...	...	...	...	...	...	628	3	24
Modern Germany (1789-1918).....	...	...	...	...	...	...	...	...	...	629	3	37
The Diplomacy of Europe (1873-1919).....	630	3	54	...	...	...	630	3	30	...	...	...
Constitutional History of the U. S. to 1837....	...	...	...	631	3	42	...	...	...	...	...	...
Constitutional History since 1837.....	632	3	23
The Slavery Controversy in the United States...	633	3	30

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Supervised Home Economics Teaching.....	542	7	6	542	7	11	542	7	21
Clothing	601	3	10	601	3	20
Textiles	602	3	8	602	3	*	...	...	...	...	...	...
Textiles and Clothing	604	5	11	...	...	...	...	...	...	...	...	...
Nutrition	611	5	14	611	5	24	611	5	16	611	5	35
Nutrition .....	...	...	...	...	...	...	...	...	...	612	5	25
Foods	614	3	13	614	3	32	614	3	21	...	...	...
Nutrition of Infants and Children.....	616	3	6	...	...	...	...	...	...	...	...	...
Child Development .....	...	...	...	621	5	23	621	5	26	621	5	24
Principles of Home Management.....	...	...	...	626	3	26	626	3	34	626	3	20
Laboratory in Home Management.....	627	4	24	627	4	0	627	4	21	627	4	15
The Purchase of Foods for Institutions.....	...	...	...	...	...	...	...	...	...	630	3	29
Institutional Cookery and Equipment.....	...	...	...	631	5	25	...	...	...	...	...	...
Institution Organization and Administration..	...	...	...	632	5	25	...	...	...	...	...	...
School Lunchroom Management.....	...	...	...	...	...	...	...	...	...	633	3	13
The Teaching of Home Economics.....	644	3	19	...	...	...	...	...	...	...	...	...
Special Problems in Home Economics.....	701	3-15	33	701	3-15	21	701	3-15	40	701	3-15	42
Advanced Special Problems in Home Economics	801	3-15	3	...	...	...	...	...	...	...	...	...
Seminary in Home Economics Teaching.....	802	3	*	802	3	*	802	3	*	802	3	*
Seminary in Foods and Nutrition.....	...	...	...	803	3	1	...	...	...	...	...	...
Research in Home Economics.....	...	...	...	950	...	1	950	...	4	950	...	3
HORTICULTURE AND FORESTRY												
FORESTRY												
Forestry .....	...	...	...	410	5	8	410	5	10	...	...	...
Farm Woodlot Management .....	...	...	...	...	...	...	...	...	...	502	5	14
Wood Technology .....	...	...	...	...	...	...	507	5	8	...	...	...
Dendrology .....	...	...	...	508	5	8	...	...	...	...	...	...
Artificial Forest Reproduction .....	...	...	...	...	...	...	...	...	...	509	5	13
HORTICULTURE												
Principles of Horticulture .....	...	...	...	401	5	33	...	...	...	...	...	...
General Horticulture .....	...	...	...	405	5	16	...	...	...	405	5	37
Elementary Plant Propagation .....	...	...	...	440	3	23	...	...	...	...	...	...
Principles and Practices of Pomology.....	...	...	...	503	5	13	...	...	...	...	...	...
Principles and Practices of Pomology.....	...	...	...	...	...	...	504	5	10	...	...	...
Potato Culture and Commercial Vegetable Growing .....	...	...	...	...	...	...	522	5	19	...	...	...

Horticultural Products	528	3	15	528	3	15	528	3	15
Vegetable Forcing	528	3	15	528	3	15	528	3	15
Principles and Practices of Floriculture	542	5	17	542	5	17	542	5	17
Principles and Practices of Floriculture	543	5	17	543	5	17	543	5	17
Garden Management	544	5	17	544	5	17	544	5	17
Flower Store Management	546	3	10	546	3	10	546	3	10
Ornamental Plants	550	5	14	550	5	14	550	5	14
Ornamental Plants	551	5	8	551	5	8	551	5	8
Horticultural Plant Breeding	601	3	*	601	3	*	601	3	*
Experimental Horticulture	602	3	12	602	3	12	602	3	12
Experimental Horticulture	603	3	15	603	3	15	603	3	15
The Literature of Horticulture	605	5	*	605	5	*	605	5	*
Advanced Vegetable Gardening	622	5	7	622	5	7	622	5	7
The Marketing of Fruits and Vegetables	628	5	14	628	5	14	628	5	14
Advanced Plant Propagation	649	5	9	649	5	9	649	5	9
Structure of Vegetables and Ornamental Plants	652	3	10	652	3	10	652	3	10
Structure of Economic Fruits	653	3	11	653	3	11	653	3	11
Arboriculture	683	3	*	683	3	*	683	3	*
Minor Investigations	701	3-15	30	701	3-15	30	701	3-15	30
Horticultural Seminary	704	1	8	704	1	8	704	1	8
Research	950	10	950	950	10	950	950	10	950
INDUSTRIAL ENGINEERING									
Survey of Industrial Engineering	401	1	23	401	1	23	401	1	23
Survey of Industrial Engineering	402	1	23	402	1	23	402	1	23
Survey of Industrial Engineering	403	1	24	403	1	24	403	1	24
Foundry Practice	405	3	23	405	3	23	405	3	23
Advanced Foundry Practice	406	2	17	406	2	17	406	2	17
Patternmaking	411	3	37	411	3	37	411	3	37
Forging and Heat Treating	415	3	42	415	3	42	415	3	42
Advanced Heat Treating	417	2	7	417	2	7	417	2	7
Forging, Shop Heat Treating, and Welding	418	3	10	418	3	10	418	3	10
Elementary Machine Work	419	3	28	419	3	28	419	3	28
Advanced Machine Work	421	3	13	421	3	13	421	3	13
Engineering Organization	601	4	41	601	4	41	601	4	41
The Laws of Engineering Management	602	3	0	602	3	0	602	3	0
Work Analysis	603	3	0	603	3	0	603	3	0
Advanced Machine Work	623	3	10	623	3	10	623	3	10
Inspection Trip	630	3	13	630	3	13	630	3	13
Work Analysis Laboratory	653	3	38	653	3	38	653	3	38
Production Control Charts	661	3	14	661	3	14	661	3	14
Selection of Manufacturing Equipment	701	3	29	701	3	29	701	3	29
Work Routing	702	4	36	702	4	36	702	4	36
Methods of Waste Elimination	706	4	25	706	4	25	706	4	25
Industrial Engineering	712	3	8	712	3	8	712	3	8
Inspection Trip	730	3	27	730	3	27	730	3	27
Tool Engineering	751	3	27	751	3	27	751	3	27
Work Routing Laboratory	752	3	32	752	3	32	752	3	32
Thesis	754	3-12	0	754	3-12	0	754	3-12	0
Elementary Production Control	761	3	27	761	3	27	761	3	27
Advanced Production Control	762	3	27	762	3	27	762	3	27
Production Control Research	763	3	1	763	3	1	763	3	1
Research in Industrial Engineering	950	1	950	950	1	950	950	1	950

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JOURNALISM												
Introduction to Journalism.....	401	5	75	401	5	49	401	5	31
News-Collecting and News-Writing.....	402	5	13	402	5	45	402	5	28
Agricultural Journalism.....	407	3	16	407	3	23	407	3	25
Copyreading.....	501	3	20	...	...	...	501	3	36
Feature Writing.....	502	3	28	502	3	16
Newspaper Ethics and Principles.....	513	3	22	...	...	...	513	3	25
Newspaper Law.....	514	3	19	...	...	...	514	3	18
Newspaper History and Comparative Journalism.....	517	5	39	...	...	...
Newspaper Organization.....	518	3	26	...	...	...	518	3	15
Newspaper Printing.....	519	2	24	...	...	...	519	2	15
The Community Paper, Weekly and Daily.....	525	3	5	...	...	...
The Newspaper Business Office.....	526	3	7	...	...	...	526	3	34
Newspaper Problems.....	607	2	34	...	...	...	607	3	12
Newspaper Problems.....	608	2	40	...	...	...
Editorial Writing.....	621	3	24	...	...	...	621	3	16
Public Opinion in the Making.....	622	3	33	...	...	...
The Newspaper as a Force in Human Progress.....	802	2	0	...	...	...	...	...	...
The Newspaper as a Force in Human Progress.....	803	2	0	...	...	...
The Newspaper as a Force in Human Progress.....	804	2	0
LAW												
Contracts.....	4	119	...	4	108	...	4	105
Torts.....	2	117	...	2	107	...	2	105
Agency.....	2	99	...	3	107
Real Property I.....	4	107	...	2	106
Equity I.....	4	108
Civil Procedure at the Common Law.....	4	121	...	2	106	...	...	...
Personal Property.....	3	116	...	...	...	...	...	...
Evidence.....	3	74	...	3	64
Equity II.....	4	63	...	...	...	...	...	...
Quasi Contracts.....	3	40	...	...	...	...	...	...
Debtors' Estates.....	3	15	...	3	14
Real Property II.....	4	59
Domestic Relations.....	3	42
Code Pleading.....	4	66
Public Utilities.....	4	10
Statutes.....	4	57

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Statistics	700	3-5	2	700	3-5	1	696	5	*
Minor Problems	701	5	25	...	...	...	700	3-5	5
Introduction to Analysis I.....	702	5	17	...	...	...
Introduction to Analysis II.....	703	5	15
Introduction to Analysis III.....
Introduction to Higher Geometry I.....	741	5	21	...	...	...	...	...	...	...	...	...
Introduction to Higher Algebra I.....	761	5	12	761	5	10	762	5	11	...	...	...
Introduction to Higher Algebra II.....	763	5	15
Introduction to Higher Algebra III.....
Minor Problems	800	3-5	10	...	...	...	...	...	...	...	...	...
Theory of Functions of a Complex Variable.....	801	3	*	801	3	*	801	3	*
Point Sets and Real Functions.....	804	3	*	...	...	...	...	...	...
Point Sets and Real Functions.....	805	3	*	...	...	...
Point Sets and Real Functions.....	806	3	*
Ordinary and Partial Differential Equations.....	807	3	24	...	...	...	...	...	...
Ordinary and Partial Differential Equations.....	808	3	12	...	...	...
Ordinary and Partial Differential Equations.....	809	3	13
Calculus of Variations.....	810	3	16	...	...	...	...	...	...
Calculus of Variations.....	811	3	9	...	...	...
Calculus of Variations.....	812	3	8
Differential Geometry.....	841	3	6	...	...	...	...	...	...
Differential Geometry.....	842	3	7	...	...	...
Differential Geometry.....	843	3	0
Theory of Fields.....	861	3	10	...	...	...	...	...	...	...	...	...
Differential Geometry.....	863	3	8	...	...	...	...	...	...	...	...	...
Readings and Research.....	900	3-10	2	...	...	...	...	...	...	...	...	...
Research	950	...	15	950	...	8	950	...	11
MECHANICAL ENGINEERING												
Heat-Power Engineering.....	2	70	...	...	...	409	3	59
Introduction to Mechanical Engineering.....	411	...	...	...	...	...	...	...	...
Introduction to Mechanical Engineering.....	412	2	60	...	...	...
Materials of Engineering.....	427	3	39
Practical Experience in a Mechanical Engineering Industry.....	439	5	12	...	...	...	...	...	...
Heat-Power Engineering.....	507	4	44	507	4	21	...	...	...
Heat-Power Engineering.....	509	3	39
Machine Design.....	513	5	29
Machine Design.....	514	4	27
Machine Design.....	515	5	24

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
MECHANICS												
Statics	501	5	20	...	...	...
Strength of Materials.....	502	...	17
Statics	503	5	80
Statics	601	5	156	601	5	43	...	...	...
Strength of Materials.....	602	5	65	602	5	135	602	5	41
Strength of Materials.....	605	2	54	605	2	39	605	2	138
Dynamics and Hydraulics.....	607	3	31	607	3	57	607	3	154
Advanced Strength of Materials.....	702	3	9	...	...	...	...	...	...
Advanced Dynamics	707	3	11	...	...	...
Mechanics of Fluids	710	3	10
Advanced Theoretical Mechanics.....	801	3	0	...	...	...	...	...	...
Advanced Theoretical Mechanics.....	802	3	3	...	...	...
Advanced Theoretical Mechanics.....	803	3	4
MEDICINE AND CLINICAL MEDICINE												
Introduction to Clinical Medicine.....	600	1	99	...	...	...	...	...	...
Medical Law	601	2	86
Physical Diagnosis	601	3	87
Medicine, General and Clinical.....	602	5	84	...	...	...	...	...	...
Medicine, General and Clinical.....	603	5	87	...	...	...
Medicine, General and Clinical.....	604	5	94
Nervous Diseases	605	3	83
Dermatology	606	3	85
Genito-Urinary Diseases	607	3	87	...	...	...
Medicine: Special Topics, Ethics, Etc.	608	1	84	...	...	...	...	...	...
Medicine: Special Topics, Ethics, Etc.	609	1	88	...	...	...
Medicine: Special Topics, Ethics, Etc.	610	1	85
Psychiatry	611	1	82	...	...	...
Pediatrics, Didactic	612	2	83	...	...	...	...	...	...
Therapeutics	614	2	86
Pediatrics, Didactic and Clinical.....	615	2	84	...	...	...	...	...	...
Pediatrics, Didactic and Clinical.....	616	2	88	...	...	...
Pediatrics, Didactic and Clinical.....	617	2	84
Tuberculosis	619	2	68	...	...	...
Syphilology	623	2	38
Clinical Medicine	625	2	89	...	...	...	...	...	...
Human Heredity	626	1	90
Localization in the Nervous System.....	631	2	0
Hygiene and Sanitation	635	3	85	...	...	...	...	...	...

METALLURGY

Elementary Fuel Testing	401	2	10	405	5	22	406	5	10
Metallurgical Analysis .....	...	...	...	...	...	...	406	5	10
Metallurgical Analysis .....	...	...	...	410	3	10	410	3	7
Fire Assaying .....	...	...	...	...	...	...	...	...	...
Metallurgical Analysis	451	3	11	452	4	8	...	...	...
Ceramic Analysis .....	...	...	...	...	...	...	453	4	19
Ceramic Analysis .....	...	...	...	...	...	...	...	...	...
Iron and Steel Metallurgy	605	3	19	...	...	...	...	...	...
Principles of Metallography	606	3	19	...	...	...	...	...	...
Non-Ferrous Metallurgy .....	...	...	...	...	...	...	610	5	9
Principles of Ore Dressing	620	5	20	...	...	...	645	...	13
Inspection Trip .....	...	...	...	...	...	...	...	...	...
Pyrometry	650	2	10	650	2	10	...	...	...
Fuels	651	3	44	651	3	40	...	...	...
Gas Testing and Calorimetry	652	1	0	...	...	...	...	...	...
General Metallurgy .....	...	...	...	...	...	...	665	5	49
Advanced Metallography .....	...	...	...	701	4	16	...	...	...
Metallurgical Construction .....	...	...	...	705	4	9	...	...	...
Metallurgical Construction .....	...	...	...	...	...	...	706	4	11
Advanced Fuel Testings and Problems	709	6	6	...	...	...	...	...	...
Metallurgical Investigations	710	3	9	710	3	11	710	3	7
Metallurgical Investigations	711	5	710	711	5	710	711	5	7
Ore Dressing .....	...	...	...	720	3	14	...	...	...
Thesis	725	5-6	0	725	5-6	0	725	5-6	6
Research in Metallurgy	950	...	8	960	...	6	950	...	6

MINE ENGINEERING

Mine Surveying .....	...	...	...	...	...	...	406	4	9
Mine Surveying	501	5	21	...	...	...	501	5	10
Prospecting and Preliminary Operations .....	...	...	...	601	5	8	...	...	...
Explosives and Rock Work .....	...	...	...	602	3	16	...	...	...
Inspection Trip .....	...	...	...	...	...	...	630	...	3
Development and Methods of Mining .....	...	...	...	...	...	...	701	3	12
Mine Operations	702	5	0	...	...	...	...	...	...
Mine Examinations and Reports .....	...	...	...	703	5	3	...	...	...
Petroleum Engineering	721	3	3	...	...	...	...	...	...
Thesis	741	5	1	741	5	2	741	5	2
Mine Investigations	750	3-5	5	750	3-5	2	750	3-5	2
Principles of Mining .....	...	...	...	...	...	...	760	3	4
Research in Mine Engineering	950	...	0	950	...	0	950	...	0

MINERALOGY

Crystallography and Descriptive Mineralogy ..	401	3	86	401	3	20	401	3	8
Descriptive Mineralogy	402	3	6	402	3	75	402	3	14
Determinative Mineralogy .....	...	...	...	404	3	0	404	3	9
Advanced Crystallography .....	...	...	...	...	...	...	601	5	9
Thermochemical Mineralogy	605	3-Aut.	13	...	...	...	...	...	...
Advanced Thermochemical Mineralogy	4-Sp.	...	606	3	9
Elementary Microscopic Petrography	611	4	0	611	4	21

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Microscopic Mineralogy	621	5	15	631	5	9
Mineralogical Investigations	631	5	2	631	5	4
X-rays and Crystal Structure .....	...	...	...	...	...	...	654	3	7	741	5	0
Thesis .....	...	...	...	950	...	2	950	...	3	950	...	2
Research in Mineralogy and Petrography .....	...	...	...	...	...	...	...	...	...	...	...	...
MUSIC												
Elementary Music I .....	...	...	...	423	5	61	...	...	...	...	...	...
Elementary Sight Singing and Ear Training	476	3	14	...	...	...	...	...	...	...	...	...
Elementary Music II .....	...	...	...	...	...	...	424	5	46	...	...	...
Elementary Sight Singing and Ear Training	478	3	12	...	...	...	...	...	...	425	5	45
Elementary Music III .....	...	...	...	426	6	18	...	...	...	...	...	...
Elementary Music IV .....	...	...	...	...	...	...	430	4	44	431	4	35
History and Appreciation I .....	...	...	...	...	...	...	...	...	...	...	...	...
History and Appreciation II .....	...	...	...	...	...	...	...	...	...	443	3	34
Music Education I	442	3	15	442	3	40	...	...	...	448	3	38
Music Education	443	3	7	...	...	...	...	...	...	...	...	...
The Teaching of Elementary School Music	447	2	7	447	2	42	...	...	...	...	...	...
The Teaching of Elementary School Music	448	3	8	...	...	...	...	...	...	...	...	...
Teaching of Music Appreciation in the Ele-	...	...	...	...	...	...	...	...	...	...	...	...
mentary Grades	449	2	21	...	...	...	449	2	34	...	...	...
Song Literature for Elementary Grades	450	2	24	...	...	...	450	2	36	...	...	...
Conducting I	459	1	12	...	...	...	459	1	37	...	...	...
Harmony .....	...	...	...	460	3	37	...	...	...	...	...	...
Harmony .....	...	...	...	...	...	...	461	3	32	...	...	...
Harmony .....	...	...	...	...	...	...	...	...	...	462	3	30
Advanced Harmony .....	...	...	...	463	3	37	...	...	...	...	...	...
Harmonic Analysis .....	...	...	...	...	...	...	465	3	40	468	3	38
Form .....	...	...	...	...	...	...	...	...	...	...	...	...
Counterpoint .....	...	...	...	...	...	...	472	3	*	474	3	*
Counterpoint .....	...	...	...	...	...	...	...	...	...	...	...	...
Intermediate Sight Singing and Ear Training	482	3	36	482	3	35	482	3	0	...	...	...
Intermediate Sight Singing and Ear Training	483	3	6	...	...	...	483	3	24	487	2	32
Advanced Sight Singing and Ear Training	485	1	5	...	...	...	...	...	...	...	...	...
Advanced Sight Singing and Ear Training	486	1	4	...	...	...	...	...	...	...	...	...
Applied Music .....	...	...	...	504	1	27	...	...	...	...	...	...
Applied Music .....	...	...	...	...	...	...	505	1	24	...	...	...
Applied Music .....	...	...	...	...	...	...	...	...	...	506	1	23
Applied Music	508	1	12	508	1	23	508	1	13	...	...	...
Applied Music	509	1	4	...	...	...	509	1	17	509	1	14

Applied Music	510	1	10	510	1	9	510	1	14	511	1	15
Applied Music	511	1	4	511	1	16	511	1	9	512	1	15
Applied Music	512	1	16	512	1	42	513	1	40	515	1	33
Applied Music	513	1	42	513	1	56	514	1	51	516	1	43
Applied Music	514	1	56	514	1	23	517	1	30	518	1	38
Applied Music	515	1	23	516	1	15	521	1	19	522	1	23
Applied Music	516	1	15	520	1	0	526	1	2	527	1	0
Applied Music	517	1	0	525	1	0	531	1	0	532	1	0
Applied Music	518	1	0	530	1	0	534	1	8	535	1	0
Applied Music	519	1	0	533	1	0	555	1	32	603	4	19
Applied Music	520	1	0	534	1	0	601	4	25	602	3	13
Applied Music	521	1	0	535	1	0	603	4	32	605	3	19
Applied Music	522	1	0	601	4	25	610	3	21	611	3	11
Applied Music	523	1	0	602	3	13	611	3	11	612	3	16
Applied Music	524	1	0	603	4	19	613	3	7	620	3	*
Applied Music	525	1	0	604	5	20	620	3	*	630	3	20
Applied Music	526	1	0	605	3	13	630	3	17	632	3	22
Applied Music	527	1	0	606	4	20	632	3	15	642	3	12
Applied Music	528	1	0	607	5	21	642	3	30	643	3	10
Applied Music	529	1	0	608	6	22	643	3	31	650	1-5	15
Applied Music	530	1	0	609	7	23	650	1-5	14	650	1-5	14
Applied Music	531	1	0	610	3	48	650	1-5	14	650	1-5	14
Applied Music	532	1	0	611	3	11	650	1-5	14	650	1-5	14
Applied Music	533	1	0	612	3	16	650	1-5	14	650	1-5	14
Applied Music	534	1	0	613	3	7	650	1-5	14	650	1-5	14
Applied Music	535	1	0	614	4	21	650	1-5	14	650	1-5	14
Small Ensembles	536	1	0	615	5	22	650	1-5	14	650	1-5	14
The Romanticists	537	1	0	616	6	23	650	1-5	14	650	1-5	14
Wagner and the Music Drama	538	1	0	617	7	24	650	1-5	14	650	1-5	14
Modern Music	539	1	0	618	8	25	650	1-5	14	650	1-5	14
History of Choral Music	540	1	0	619	9	26	650	1-5	14	650	1-5	14
Music in the Junior High School	541	1	0	620	3	*	650	1-5	14	650	1-5	14
High School Music	542	1	0	621	4	27	650	1-5	14	650	1-5	14
Supervision of Music in Elementary Schools	543	1	0	622	5	28	650	1-5	14	650	1-5	14
Supervision of Music in Secondary Schools	544	1	0	623	6	29	650	1-5	14	650	1-5	14
Composition	545	1	0	624	7	30	650	1-5	14	650	1-5	14
Instrumentation	546	1	0	625	8	31	650	1-5	14	650	1-5	14
Instrumentation	547	1	0	626	9	32	650	1-5	14	650	1-5	14
Organization of the School Band and Orchestra	548	1	0	627	10	33	650	1-5	14	650	1-5	14
tra: Conducting II	549	1	0	628	11	34	650	1-5	14	650	1-5	14
Band and Orchestra Materials: Advanced Conducting III	550	1	0	629	12	35	650	1-5	14	650	1-5	14
Minor Problems	551	1	0	630	3	*	650	1-5	14	650	1-5	14
Research in Music	552	1	0	631	4	27	650	1-5	14	650	1-5	14
University Chorus	553	1	0	632	5	28	650	1-5	14	650	1-5	14
University Orchestra	554	1	0	633	6	29	650	1-5	14	650	1-5	14
The University Band	555	1	0	634	7	30	650	1-5	14	650	1-5	14
Concert Bands	556	1	0	635	8	31	650	1-5	14	650	1-5	14
Glee Club (Women)	557	1	0	636	9	32	650	1-5	14	650	1-5	14
Beginning Orchestra	558	1	0	637	10	33	650	1-5	14	650	1-5	14
Glee Club (Men)	559	1	0	638	11	34	650	1-5	14	650	1-5	14
Military Science Band	560	1	0	639	12	35	650	1-5	14	650	1-5	14
NURSING												
Elementary Nursing	401	5	18	401	5	18	401	5	18	401	5	18
Elementary Nursing	402	3	9	402	3	9	402	3	9	402	3	9
Medical Nursing: Medical Diseases	410	3	22	410	3	22	410	3	22	410	3	22
Medical Nursing: Pediatrics	413	3	12	413	3	12	413	3	12	413	3	12

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Medical Nursing: Communicable Diseases....	416	3	22
Medical Nursing: Nervous and Mental Diseases....	418	1	44	...	...	...	...	...	...
Medical Nursing: Dermatology.....	420	1	43	...	...	...	...	...	...
Surgical Nursing: Surgical Diseases.....	425	3	13	...	...	...	...	...	...
Surgical Nursing: Gynecology and Genito-Urinary Diseases.....	428	2	11	...	...	...
Surgical Nursing: Orthopedics.....	430	1	9
Surgical Nursing: Diseases of the Eye.....	432	1	15
Surgical Nursing: Diseases of Ear, Nose, and Throat.....	433	1	12
Obstetrical Nursing.....	435	3	24	...	...	...
Ethics and History of Nursing.....	450	2	24
Survey of Nursing.....	455	1	26	...	...	...
Professional Problems.....	460	1	37	...	...	...
Introduction to Institutional Work.....	470	1	39
Case Studies.....	480	1	9	...	...	...
Public Sanitation.....	490	2	24	...	...	...
Nursing Practice.....	501	3	18	...	...	...	501	3	10
Nursing Practice.....	502	5	8	...	...	...
Nursing Practice.....	503-512	7	48	503-512	7	52	503-512	7	44	503-512	7	48
PUBLIC HEALTH AND HYGIENE												
Principles of Public Health Nursing.....	404	5	14	...	...	...	404	5	16
Public Health Problems.....	602	5	26	602	5	19	602	5	23
Child Hygiene.....	608	2	16	608	2	20	608	2	31
OBSTETRICS												
Obstetrics, Normal.....	601	3	86	...	...	...
Obstetrics, Abnormal.....	602	3	89
Obstetrics, Pathological.....	603	3	85	...	...	...	...	...	...
Obstetrics, Pathological.....	604	3	87	...	...	...
Clinical Obstetrics.....	605	4	Aver. 20	605	4	Aver. 20	605	4	Aver. 20	605	4	Aver. 20
Advanced Obstetrics.....	701	5-15	0	707	5-15	0	701	5-15	0
DENTISTRY—OPERATIVE												
Dental Anatomy.....	601	2	54	...	...	...	...	...	...
Dental Anatomy.....	602	3	53	...	...	...
Dental Anatomy and Operative Technic.....	603	2	52

Operative Technic	605	3	47	606	3	44	...	...	...
Operative Technic	...	...	...	...	...	...	...	...	...
Principles and Practice of Operative Dentistry	609	2	58	...	...	...	...	...	...
Principles and Practice of Operative Dentistry	...	...	...	610	4	57	...	...	...
Principles and Practice of Operative Dentistry	...	...	...	...	...	...	611	3	56
Principles and Practice of Operative Dentistry	613	3	39	...	...	...	...	...	...
Principles and Practice of Operative Dentistry	...	...	...	614	4	40	...	...	...
Principles and Practice of Operative Dentistry	...	...	...	...	...	...	615	4	40
Dental Hygiene: Immunology	...	...	...	...	...	...	616	1	46
Oral Hygiene: Immunology	617	3	57	...	...	...	...	...	...
Oral Hygiene: Immunology	...	...	...	618	3	57	...	...	...
Porcelain Technic	...	...	...	...	...	...	619	1	56
Special Dental Histology	620	3	56	...	...	...	...	...	...
Dental Medicine: Pharmacology	621	1	58	...	...	...	...	...	...
Dental Medicine: Pharmacology	...	...	...	622	1	57	...	...	...
Dental Medicine	...	...	...	...	...	...	623	2	57
Dental Medicine	625	2	40	...	...	...	...	...	...
Dental Medicine	...	...	...	626	2	40	...	...	...
Dental Medicine	...	...	...	...	...	...	627	2	40
Principles and Practice of Exodontia and X-ray	628	2	57	...	...	...	...	...	...
Principles and Practice of Exodontia and X-ray	...	...	...	629	2	57	...	...	...
Principles and Practice of Exodontia and X-ray	...	...	...	...	...	...	630	2	56
Orthodontia Principles and Technic	...	...	...	...	...	...	631	2	102
Orthodontia Principles and Technic	633	2	39	...	...	...	...	...	...
Orthodontia Principles and Technic	...	...	...	634	2	40	...	...	...
Orthodontia Principles and Technic	...	...	...	...	...	...	635	2	39
Anesthetics	637	2	39	...	...	...	...	...	...
Anesthetics	...	...	...	638	2	39	...	...	...
Anesthetics	...	...	...	...	...	...	639	2	39
Ethics, Economics, History and Jurisprudence	641	1	40	...	...	...	...	...	...
Ethics, Economics, History and Jurisprudence	...	...	...	642	1	40	...	...	...
Ethics, Economics, History and Jurisprudence	...	...	...	...	...	...	643	1	40
Oral Surgery	645	2	40	...	...	...	...	...	...
Oral Surgery	...	...	...	646	2	40	...	...	...
Oral Surgery	...	...	...	...	...	...	647	2	40
Minor Problems in Operative Dentistry	701	1-3	0	...	...	...	...	...	...
Minor Problems in Operative Dentistry	...	...	...	702	1-3	0	...	...	...
Minor Problems in Operative Dentistry	...	...	...	...	...	...	703	1-3	0
Research in Operative Dentistry	801	...	0	...	...	...	...	...	...
Research in Operative Dentistry	...	...	...	802	...	0	...	...	...
Research in Operative Dentistry	...	...	...	...	...	...	803	...	0
OPHTHALMOLOGY									
Ophthalmology	601	3	81	...	...	...	...	...	...
Pathology of the Eye	...	...	...	...	...	...	622	2	10
OTO-LARYNGOLOGY									
Oto-Laryngology	...	...	...	602	3	83	...	...	...
PATHOLOGY									
Elementary Pathology	401	2	21
General Pathology	600	1	98
General Pathology	601	3	89

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Special Pathology	603	3	95	602	5	87	...	...	...
Clinical Pathology
Clinical Pathology	604	3	81	...	...	...
Surgical Pathology	605	2	42
Medical Pathology	606	2	44
						Aver.			Aver.			Aver.
Post-Mortem Demonstration	607	1	30	607	1	30	607	1	30
Advanced Pathology	608	3-5	8	...	...	...	...	...	...
Advanced Pathology	609	3-5	11	...	...	...
Advanced Pathology	610	3-5	31
Advanced Special Pathology	611	3-5	1	...	...	...	...	...	...
Advanced Special Pathology	612	3-5	0	...	...	...
Advanced Special Pathology	614	3-5	0	613	3-5	0
Experimental Pathology	615	3-5	0
Experimental Pathology	616	3	12	...	...	...	...	...	...
Advanced Clinical Pathology	617	3	3	...	...	...
Advanced Clinical Pathology	619	1	0	...	...	...	618	3	0
Neuropathology	620	1	0	...	...	...
Neuropathology	621	1	0
Neuropathology	650	3	72	...	...	...	...	...	...
General Pathology	651	3	71	...	...	...
General Pathology	652	2	55
Dental Pathology	653	3	0	...	...	...	...	...	...
Clinical Pathology	654	3	3	...	...	...
Clinical Pathology	660	1	0	...	...	...	...	...	...
Pathology Lectures	661	3	0	...	...	...
General Pathology	662	5	0
Special Pathology	666	3	7	...	...	...
Pathologic Technic	667	3	0
Pathologic Technic	950	...	0	950	...	0	950	...	1
Research in Pathology
PHARMACY												
Pharmacy Survey	400	1	57	...	...	0	...	...	...
Pharmacy	401	5	41	401	5	0	...	...	...
Pharmacy	402	5	41	402	5	0
Pharmacy	403	5	9	...	...	...	403	5	38
Pharmacy	404	5	19	404	5	7	...	...	...
Pharmacy	405	5	17	405	5	11

Pharmacognosy: Commercial	422	5	19	423	2	17	422	5	30
Pharmacy: Commercial	425	5	52	425	5	8	425	5	0
Pharmaceutical Arithmetic	427	3	3	426	5	52	426	5	0
Pharmaceutical Arithmetic	427	3	3	427	3	30	427	3	30
Pharmacy: Applied	428	2	22	428	2	0	428	2	0
Current Pharmaceutical and Technical Literature	501	5	4	501	5	25	501	5	25
Pharmacy	607	3	17	607	3	0	607	3	47
Pharmacy: Commercial	607	3	17	608	3	18	608	3	0
Materia Medica	609	3	0	610	5	0	609	3	22
Materia Medica	610	5	18	611	5	17	611	5	0
Materia Medica	612	5	0	612	5	16	612	5	16
Pharmaceutical Analysis	616	3	16	616	3	0	617	3	0
Pharmaceutical Analysis	616	3	16	617	3	16	618	3	15
Pharmaceutical Analysis	618	3	0	618	3	15	619	5	15
Pharmacognosy: Microscopical	700	3	17	701	3	19	631	3	15
Pharmacognosy: Microscopical	700	3	17	701	3	19	631	3	15
Pharmacognosy: Microscopical	700	3	17	701	3	19	631	3	15
Toxicology	700	3	17	701	3	19	631	3	15
Thesis	700	3	17	701	3	19	631	3	15
Minor Problems	700	3	17	701	3	19	631	3	15
Minor Problems	700	3	17	701	3	19	631	3	15
Minor Problems	700	3	17	701	3	19	631	3	15
PHILOSOPHY									
Introduction to Philosophy	401	5	20	401	5	27	401	5	47
Elementary Logic	402	5	20	402	5	25	402	5	60
Elementary Ethics	405	5	23	405	5	27	405	5	50
Ancient Philosophy	601	5	22	602	5	21	603	5	12
Modern Philosophy to Kant	602	5	29	602	5	21	603	5	12
Philosophy since 1800	602	5	29	602	5	21	603	5	12
Development of Hebrew Ideas in the Old Testament	607	5	*	607	5	*	607	5	*
Philosophy and Poetry	608	3	11	608	3	11	608	3	11
Medieval Philosophy	609	3	0	609	3	0	609	3	0
Origins of Christian Thought	610	5	*	610	5	*	610	5	*
Origin and Development of Religious Ideas	611	5	17	611	5	17	611	5	17
Representative Greek Philosophers	623	5	0	623	5	0	623	5	0
Representative Modern Philosophers	625	5	0	625	5	0	625	5	0
Elements of Symbolic Logic	650	3	*	650	3	*	650	3	*
Philosophy of Science	652	5	*	652	5	*	652	5	*
Philosophy of Religion	653	5	20	653	5	20	653	5	20
Esthetics	655	5	6	655	5	6	655	5	6
Principles of Social Ethics	656	3	8	656	3	8	656	3	8
Minor Problems	660	2-10	5	660	2-10	4	660	2-10	5
Metaphysics of Knowledge and Nature	661	3	5	661	3	5	661	3	5
Metaphysics of Personality and Values	662	3	5	662	3	5	662	3	5
Seminary in Systematic Philosophy	801	3	3	801	3	3	801	3	3
Seminary in Systematic Philosophy	802	3	4	802	3	4	802	3	4
Seminary in Systematic Philosophy	803	3	4	803	3	4	803	3	4
Seminary in Systematic Philosophy	804	3	3	804	3	3	804	3	3
Scientific Method	805	5	*	805	5	*	805	5	*
Research	808	3-10	2	808	3-10	2	808	3-10	2
Research	950	8	950	950	8	950	950	8	950

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
PHONETICS												
Elements of Speech	401	5	70	401	5	40	401	5	38
General Phonetics: Physiological	403	5	18	...	...	30	...	...	...
General Phonetics: Practical	407	5	...	...	...	...
English Diction and Voice Hygiene	413	5	52
Clinical Practice in Speech Correction	604	5	13	...	...	20	...	...	...
Standard American Pronunciation	605	5	...	...	...	...
Lip-reading Techniques	10	606	5	20
Minor Research: Human Speech	700	3-5	4	700	3-5	...	700	3-5	11
Research in Phonetics	950	...	3	950	...	3	950	...	3
PHOTOGRAPHY												
Photography	611	3	5	...	...	...	611	3	38
Engineering Photography	650	2	0
Scientific Photography	725	3	3	...	...	...
Advanced Photography	750	3	3	...	...	...
PHYSICAL EDUCATION—MEN												
Hygiene	400	1	583	400	1	565	400	1	340
Physical Education	401	1	1495	...	...	...	...	...	...
Physical Education	402	1	1207	...	...	...
Physical Education	403	1	1178
Hygiene	410	3	33	...	...	...	...	...	...
Theory and Practice of Physical Education	441	2	31	...	...	...	...	...	...
Theory and Practice of Physical Education	442	2	29	...	...	...
Theory and Practice of Physical Education	443	2	31
Theory and Practice of Physical Education	445	3	27	...	...	...	...	...	...
Theory and Practice of Physical Education	446	3	27	...	...	...
Theory and Practice of Physical Education	447	3	44
Theory and Practice of Physical Education	449	3	28	...	...	...	...	...	...
Theory and Practice of Physical Education	450	3	22	...	...	...
Theory and Practice of Physical Education	451	3	19
Theory and Practice of Physical Education for High School	452	3	9	...	...	...	...	...	...	...	...	...
Tumbling, Stunts and Self-testing Activities	468	2	11	...	...	...	...	...	...	...	...	...
Group Games for Boys	469	2	10	...	...	...	...	...	...	...	...	...
*Therapeutic Gymnastics and Physical Examinations	493	3	16
The Teaching of Swimming	498	2	4	...	...	...
Physical Education	525	See 401	...	...	...	...	...	...	...

Physical Education	601	3	13	526	See 402	527	See 403
Physical Education				528	See 401		
Physical Education						529	See 402
Physical Education							530
Principles of Football Coaching and Management	601	3	13				See 403
Problems in Intramural Sports						615	3
Principles of Physical Education					621	See Women	
Tests and Measurements in Physical Education and Health					625	See Women	
Supervision of Health and Physical Education				626	3	7	
Individual Physical Education	630	3	15	630	3	24	
Rhythmic Analysis	632	See Women		632	See Women		
Problems in Sports for Girls and Women	635	See Women					635
Personal Health Problems							641
Principles of Health Education	643	3	36	643	3	53	See Women
Teaching of Health in Secondary Schools and Colleges	644	3	42			644	See Women
Professional Preparation of Teachers in Physical and Health Education	646	See Women		646	See Women		
*First Aid	473	1	69				
Camping: Its Organization and Administration							649
Minor Problems in Physical Education	651	1-4	7	651	1-4	5	651
Survey and Clinical Practice in the Care of the Physically Handicapped							651
Organization and Administration of Physical Education	682	5	5			682	3
Prevention and Care of Injuries						21	4
Kinesiology	691	3	7	685	3	30	
The School Health Service	692	3	10	691	3	18	
Seminar in Physical Education and Health	801	2	27	801	2	15	
Seminar in Physical and Health Education	802	2	25				
Seminar in Physical and Health Education							803
Physical Education in Schools and Colleges	805	3	15				805
Scientific Studies in Physical Education				810	3	6	
Problems in Intramural Sports	815	3	9				
Problems in Interschool and College Athletics				816	3	4	
Problems in Health Education							820
Major Research	850		15				3
Research in Physical Education				950		1	950
PHYSICL EDUCATION—WOMEN							
Hygiene				400	1	167	400
Hygiene				410	3	21	268
Physical Education				421	1	785	400
Physical Education							1
Physical Education							651
Physical Education							
Physical Education				425	1	796	423
1							
273							
635							

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Physical Education .....	...	...	...	...	...	...	426	1	648	...	...	...
Physical Education .....	...	...	...	...	...	...	...	...	...	427	1	714
Folk Dancing	460	2	9	...	...	...	...	...	...	...	...	...
Elementary Interpretative Dancing	464	1	22	...	...	...	...	...	...	...	...	...
Individual Sports	474	1	9	...	...	...	...	...	...	...	...	...
Creative Physical Education for Elementary Teachers .....	...	...	...	...	...	...	...	...	...	476	3	53
Play and Playground	482	2	19	...	...	...	...	...	...	...	...	...
Therapeutic Gymnastics and Physical Examinations .....	...	...	...	...	...	...	...	...	...	493	5	24
Elementary and Intermediate Swimming	495	1	160	...	...	...	...	...	...	...	...	...
Advanced Swimming	496	1	46	...	...	...	...	...	...	...	...	...
Theory and Practice of Physical Education .....	...	...	...	541	3	34	...	...	...	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	542	3	47	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	...	...	...	543	3	21
Theory and Practice of Physical Education .....	...	...	...	545	3	26	...	...	...	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	...	...	...	547	3	20
Theory and Practice of Physical Education .....	...	...	...	549	3	20	...	...	...	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	550	3	19	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	551	3	0	551	3	0
Theory and Practice of Physical Education .....	...	...	...	551	3	0	...	...	...	615	3	0
Problems in Intramural Sports .....	...	...	...	...	...	...	...	...	...	...	...	...
Principles of Physical Education	621	3	17	...	...	...	621	5	52	...	...	...
Tests and Measurements in Physical Education .....	...	...	...	...	...	...	625	3	16	...	...	...
Supervision of Physical and Health Education	626	...	See Men	...	...	...	626	4	0	...	...	...
Individual Physical Education	630	...	See Men	630	3	19	...	...	...	...	...	...
Rhythmic Analysis	632	3	4	632	3	6	...	...	...	...	...	...
Problems in Sports for Girls and Women	635	3	5	...	...	...	...	...	...	635	3	0
Personal Health Problems .....	...	...	...	...	...	...	...	...	...	641	3	See Men
Principles of Health Education	643	3	See Men	643	3	See Men	...	...	...	...	...	...
The Teaching of Health in Secondary Schools and Colleges	644	3	See Men	...	...	...	644	3	31	...	...	...
Professional Preparation of Teachers in Physical and Health Education	646	3	9	646	3	6	...	...	...	...	...	...
Camping: Its Organization and Administration .....	...	...	...	...	...	...	...	...	...	649	3	See Soc. Adm.

Minor Problems in Physical Education.....	651	1-4	1	651	1-4	6	651	1-4	5	651	1-4	8
Survey and Clinical Practice in the Care of the Physically Handicapped.....	...	...	...	...	...	...	652	3	3	...	...	...
Organization and Administration of Physical Education	682	5	See Men	...	...	...	682	5	18	...	...	...
Kinesiology .....	...	...	...	691	3	18	...	...	...	...	...	...
The School Health Service.....	...	...	...	...	...	...	...	...	...	692	3	See Men
Seminary in Physical and Health Education..	...	...	...	801	...	See Men	801	...	14	801	...	See 803
Seminar .....	...	...	...	...	...	...	...	...	...	803	...	See Men
Physical Education in Schools and Colleges...	...	...	...	...	...	...	...	...	...	805	3	See Men
Scientific Studies in Physical Education.....	...	...	...	810	3	See Men	...	...	...	...	...	...
Problems in Interschool and College Athletics	...	...	...	816	3	0	...	...	...	...	...	...
Problems in Health Education.....	...	...	...	...	...	...	...	...	...	820	3	See Men
Major Research	850	3	See Men	...	...	...	...	...	...	...	...	...
Research in Physical Education.....	...	...	...	950	...	0	950	...	0	950	...	1
PHYSICS AND ASTRONOMY												
General Physics: Mechanics, Wave Motion and Sound .....	...	...	...	411	5	345	411	5	63	...	...	...
General Physics: Heat, Light, Spectroscopy...	412	5	12	...	...	...	412	5	281	...	...	...
General Physics: Magnetism, Electricity and Electronics .....	...	...	...	...	...	...	...	...	...	413	5	220
General Physics for Engineers: Mechanics...	...	...	...	431	5	235	431	5	86	435	5	16
General Physics for Engineers: Heat, Sound and Light	432	5	11	...	...	...	432	5	244	...	...	...
General Physics for Engineers: Electricity and Magnetism .....	...	...	...	433	5	24	...	...	...	433	5	170
Electricity and Magnetism .....	...	...	...	435	3	77	...	...	...	...	...	...
Electricity and Magnetism .....	...	...	...	...	...	...	436	5	61	...	...	...
Electrical Measurements and Photometry.....	...	...	...	...	...	...	...	...	...	437	5	58
Geometrical and Physical Optics.....	...	...	...	501	5	20	...	...	...	...	...	...
Geometrical and Physical Optics.....	...	...	...	...	...	...	502	5	16	...	...	...
Geometrical and Physical Optics.....	...	...	...	...	...	...	...	...	...	503	5	15
Introduction to Contemporary Physics.....	...	...	...	509	5	14	...	...	...	...	...	...
Physical Optics .....	...	...	...	...	...	...	607	4	0	...	...	...
Advanced Electricity .....	...	...	...	608	4	25	...	...	...	...	...	...
Molecular Physics and Heat .....	...	...	...	609	4	8	...	...	...	...	...	...
Conduction of Electricity through Gases and Radioactivity	610	4	6	...	...	...	610	4	23	...	...	...
Modern Spectroscopy	611	4	9	...	...	...	...	...	...	611	4	21
Periodic and Transient Electric Currents....	...	...	...	...	...	...	...	...	...	612	4	17
Advanced Physical Laboratory.....	616	3-24	37	616	3-24	7	616	3-24	17	616	3-24	14
X-rays and Atomic Structure.....	...	...	...	620	4	14	...	...	...	...	...	...
Acoustics .....	...	...	...	...	...	...	621	4	20	...	...	...
Thermionics and High Vacuum Phenomena....	622	4	8	622	4	9
Introduction to Theoretical Physics.....	623	3	22

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Introduction to Celestial Mechanics.....	605	4	5	...	606	4	2
Introduction to Celestial Mechanics.....	611	3-9	0	...	611	3-9	0
Minor Problems in Astronomy.....	...	...	...	...	...	...	...	...	...	...	...	...
Research in Astronomy and Astrophysics at the Perkins Observatory.....	...	...	...	...	...	950	...	0	...	...	...	...
PHYSIOLOGICAL CHEMISTRY												
Materia Medica.....	...	...	...	...	...	...	...	...	...	...	...	...
Physiological Chemistry.....	...	...	...	...	...	601	5	92	...	...	...	...
Physiological Chemistry.....	...	...	...	...	...	...	...	...	...	...	...	...
Physiological Chemistry.....	...	...	...	...	...	611	5	33	...	...	...	...
Physiological Chemistry.....	...	...	...	...	...	...	...	...	...	...	...	...
Quantitative Methods of Blood and Urine Analysis.....	...	...	...	...	...	...	...	...	...	613	3	13
Biochemical Methods of Research.....	...	...	...	...	...	614	5	10	...	...	...	...
Toxicology.....	...	...	...	...	...	618	3	8	...	...	...	...
Minor Problems in Physiological Chemistry.....	...	...	...	...	...	619	2-15	4	619	2-15	1	...
Physiological Chemistry.....	...	...	...	...	...	...	...	...	...	632	5	53
Physiological Chemistry.....	...	...	...	...	...	633	2	38	...	...	...	...
Materia Medica.....	...	...	...	...	...	...	...	...	...	...	...	...
Pharmacology.....	...	...	...	...	...	...	...	...	...	...	...	...
Methods of Biologic Drug Assay.....	...	...	...	...	...	...	...	...	...	...	...	...
Advanced Physiological Chemistry.....	...	...	...	...	...	...	...	...	...	671	5	87
Seminary in Physiological Chemistry.....	...	...	...	...	...	...	...	...	...	675	2	0
Biochemical Biography.....	...	...	...	...	...	...	...	...	...	807	3	8
Chemistry of Medicinal Substances.....	...	...	...	...	...	...	...	...	...	813	2	8
Research in Physiological Chemistry and Pharmacology.....	...	...	...	...	...	...	...	...	...	815	1	8
Pharmacology.....	...	...	...	...	...	950	...	4	950	...	7	6
PHYSIOLOGY												
Elementary Physiology.....	407	5	36	407	5	272	407	5	77	407	5	78
Elementary Physiology.....	...	...	...	408	5	51	408	5	136	408	5	47
Elementary Physiology.....	409	5	45	...	...	...	409	5	124	409	5	36
Elementary Physiology.....	...	...	...	...	...	...	...	...	...	412	3	11
Comparative Physiology.....	...	...	...	413	5	54	...	...	...	...	...	...
Comparative Physiology.....	...	...	...	...	...	...	414	5	64	...	...	...
Comparative Physiology.....	...	...	...	...	...	...	...	...	...	415	4	58
Principles of Physiology.....	...	...	...	...	...	...	...	...	...	419	5	63
Advanced Physiology.....	...	...	...	604	6	47	...	...	...	...	...	...
Advanced Physiology.....	...	...	...	...	...	...	605	6	45	...	...	...
Physiology.....	...	...	...	...	...	...	...	...	...	607	2	48
Physiological Laboratory.....	611	5	1	611	5	3	...	...	...	...	...	...
Physiological Laboratory.....	...	...	...	...	...	...	612	5	0	...	...	...
Physiological Laboratory.....	...	...	...	...	...	...	...	...	...	613	5	0
Advanced Physiology.....	...	...	...	615	5	10	...	...	...	615	5	2
Advanced Physiology.....	...	...	...	...	...	...	616	5	5	...	...	...
Physiology of Metabolism.....	...	...	...	...	...	...	618	3-5	10	...	...	...
Physiology of Reproduction.....	...	...	...	...	...	...	619	3-5	15	...	...	...
Physiology of Exercise.....	...	...	...	...	...	...	...	...	...	620	5	34
Physiological Technique.....	...	...	...	621	3	16	...	...	...	...	...	...
General Physiology.....	...	...	...	...	...	...	622	5	6	...	...	...
General Physiology.....	623	5	11
Introduction to Applied Physiology.....	634	4	95

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Applied Physiology .....	...	...	...	635	5	89	...	...	...	...	...	...
Applied Physiology .....	...	...	...	700	3-5	1	636	5	91	...	...	...
Minor Problems .....	...	...	...	815	1	0	700	3-5	4	700	3-5	13
Seminary in Physiology .....	...	...	...	...	...	...	...	...	...	...	...	...
Seminary in Physiology .....	...	...	...	...	...	...	816	1	0	...	...	...
Seminary in Physiology .....	...	...	...	...	...	...	...	...	...	817	1	...
Physiology Research	900	3-15	0	...	...	...	...	...	...	...	...	...
Research in Physiology .....	...	...	...	950	...	3	950	...	4	950	...	1
POLITICAL SCIENCE												
The Peace Movement .....	...	...	...	...	...	...	100	4	31	...	...	...
American Federal Government	401	5	29	401	5	278	401	5	184	401	5	253
Government and Politics of Foreign Countries	402	5	20	402	5	121	402	5	156	402	5	129
American State Government .....	...	...	...	403	5	36	403	5	71	403	5	121
Principles of Public Administration I .....	...	...	...	...	...	...	605	5	31	...	...	...
Principles of Public Administration II .....	...	...	...	...	...	...	...	...	...	606	5	40
Municipal Government	607	5	9	607	5	15	...	...	...	607	5	56
Introduction to Jurisprudence .....	...	...	...	611	5	30	...	...	...	...	...	...
International Law .....	...	...	...	...	...	...	612	5	*	...	...	...
Contemporary International Politics	613	5	16	...	...	...	613	5	37	...	...	...
Administration of Justice .....	...	...	...	...	...	...	...	...	...	615	3	*
American Constitutional Law .....	...	...	...	...	...	...	616	3	20	...	...	...
Administrative Law .....	...	...	...	...	...	...	...	...	...	617	3	15
Ancient and Medieval Political Thought .....	...	...	...	621	3	20	...	...	...	...	...	...
Modern Political Thought .....	...	...	...	...	...	...	622	3	19	...	...	...
Contemporary Political Thought .....	...	...	...	...	...	...	...	...	...	623	3	34
Methods of Governmental Research .....	...	...	...	631	3	6	...	...	...	...	...	...
Legislation .....	...	...	...	633	3	13	...	...	...	...	...	...
Public Opinion and Political Processes .....	...	...	...	634	5	46	...	...	...	...	...	...
Elections and Parties .....	...	...	...	...	...	...	635	5	33	...	...	...
Honors Course .....	...	...	...	705	3-5	0	...	...	...	...	...	...
Honors Course .....	...	...	...	...	...	...	706	3-5	0	...	...	...
Honors Course .....	...	...	...	...	...	...	...	...	...	707	3-5	0
Research in Political Science	801	3-5	0	...	...	...	...	...	...	...	...	...
Political Thought .....	...	...	...	805	3-5	1	805	3-5	0	805	3-5	0
Comparative Government	806	3-5	3	806	3-5	5	806	3-5	7	806	3-5	0
Public Opinion and Political Parties .....	...	...	...	807	3-5	0	807	3-5	2	807	3-5	0
Public Administration .....	...	...	...	808	3-5	1	808	3-5	2	808	3-5	1
Municipal Government .....	...	...	...	809	3-5	0	809	3-5	2	809	3-5	0
International Relations	810	3-5	0	810	3-5	2	810	3-5	1	810	3-5	0

Public Law	811	3-5	9	811	3-5	0	811	3-5	1	811	3-5	0
Research in Political Science .....	...	...	...	950	...	1	950	...	0	950	...	3
POULTRY HUSBANDRY												
Principles of Poultry Husbandry .....	...	...	...	401	5	14	401	5	17	401	5	17
Poultry Judging and Breeding .....	...	...	...	402	3	7	...	...	...	...	...	...
Poultry Feeding .....	...	...	...	...	...	...	409	3	14	...	...	...
Commercial Poultry Production and Manage- ment .....	...	...	...	...	...	...	412	5	16	...	...	...
Poultry Farm Sanitation .....	...	...	...	...	...	...	...	...	...	413	5	11
Poultry Production for Students in Veterinary Medicine .....	...	...	...	...	...	...	...	...	...	415	3	50
Marketing Poultry Products .....	...	...	...	603	3	17	...	...	...	...	...	...
Special Problems in Poultry Husbandry .....	...	...	...	701	3-15	2	701	3-15	1	701	3-15	2
Research in Poultry Husbandry .....	...	...	...	950	...	3	950	...	1	950	...	1
DENTISTRY—PROSTHESIS												
Prosthetic Dentistry Technic .....	...	...	...	601	4	54	...	...	...	...	...	...
Prosthetic Dentistry Technic .....	...	...	...	...	...	...	602	3	53	...	...	...
Prosthetic Dentistry Technic .....	...	...	...	...	...	...	...	...	...	603	5	52
Prosthetic Dentistry Technic .....	...	...	...	605	4	48	...	...	...	...	...	...
Prosthetic Dentistry Technic .....	...	...	...	...	...	...	606	2	43	...	...	...
Prosthetic Dentistry Technic .....	...	...	...	...	...	...	...	...	...	607	4	46
Prosthetic Dentistry Principles and Practice .....	...	...	...	609	2	57	...	...	...	...	...	...
Prosthetic Dentistry Principles and Practice .....	...	...	...	...	...	...	610	3	59	...	...	...
Prosthetic Dentistry Principles and Practice .....	...	...	...	...	...	...	...	...	...	611	4	58
Prosthetic Dentistry Practice .....	...	...	...	613	2	39	...	...	...	...	...	...
Prosthetic Dentistry Practice .....	...	...	...	...	...	...	614	2	39	...	...	...
Prosthetic Dentistry Practice .....	...	...	...	...	...	...	...	...	...	615	2	40
Dental Metallurgy .....	...	...	...	619	2	48	...	...	...	...	...	...
Crown and Bridge Technic .....	...	...	...	621	4	46	...	...	...	...	...	...
Crown and Bridge Technic .....	...	...	...	...	...	...	622	2	44	...	...	...
Crown and Bridge Technic .....	...	...	...	...	...	...	...	...	...	623	4	45
Crown and Bridge Technic .....	...	...	...	625	2	57	...	...	...	...	...	...
Crown and Bridge Technic .....	...	...	...	...	...	...	626	2	57	...	...	...
Crown and Bridge Technic .....	...	...	...	...	...	...	...	...	...	627	2	56
Crown and Bridge Practice .....	...	...	...	629	2	39	...	...	...	...	...	...
Crown and Bridge Practice .....	...	...	...	...	...	...	630	2	39	...	...	...
Crown and Bridge Practice .....	...	...	...	...	...	...	...	...	...	631	2	40
Minor Problems in Prosthesis .....	...	...	...	704	1-3	0	...	...	...	...	...	...
Minor Problems in Prosthesis .....	...	...	...	...	...	...	705	1-3	0	...	...	...
Minor Problems in Prosthesis .....	...	...	...	...	...	...	...	...	...	706	1-3	0
Research in Prosthesis .....	...	...	...	950	...	0	950	...	0	950	...	0
PSYCHOLOGY												
Probation .....	...	...	...	...	...	...	000	0	*	000	0	*
Elementary Psychology	401	5	106	401	5	632	401	5	336	401	5	504
Elementary Psychology	402	5	47	402	5	199	402	5	219	402	5	188
Educational Psychology	407	5	125	407	5	284	407	5	219	407	5	228
Mental Hygiene .....	...	...	...	...	...	...	408	2	67	...	...	...
*Psychology of Effective Study and Individual Adjustment .....	...	...	...	...	...	...	411	3	57	411	3	51
Psychological Problems in Engineering .....	...	...	...	...	...	...	...	...	...	501	3	21

Minor Problems	650	1	18	650	1	21	650	1	7	651	1	12
Psychology of High School Subjects	652	3	0	...	...	...	...	...	...	...	...	...
Comparative Psychology .....	...	...	...	655	5	12	...	...	...	...	...	...
Comparative Psychology .....	...	...	...	657	3	12	...	...	...	656	3	11
Comparative Psychology Laboratory .....	...	...	...	659	3	*	...	...	...	...	...	...
University Personnel Psychology .....	...	...	...	...	...	...	...	...	...	660	3	9
Comparative Psychology Laboratory .....	...	...	...	...	...	...	...	...	...	...	...	...
The Pre-School Child .....	...	...	...	...	...	...	662	3	23	...	...	...
Psychology of the Elementary School Period	663	5	32	...	...	...	663	5	43	...	...	...
Research Problems of the Dean of Women	674	1	3	674	1	0	674	1	0	674	1	0
Methods and Viewpoints in Educational Psychology .....	...	...	...	...	...	...	676	3	*	...	...	...
Graphic Methods .....	...	...	...	...	...	...	...	...	...	677	2	0
Psychology of Personality .....	...	...	...	...	...	...	...	...	...	678	3	13
Educational Tests and Measurements .....	...	...	...	...	...	...	...	...	...	680	3	8
Major Research	801	3	27	...	...	...	...	...	...	...	...	...
Seminary in Experimental Psychology .....	...	...	...	802	2	7	802	2	6	802	2	3
Seminary in Educational Psychology .....	...	...	...	803	2	8	...	...	...	...	...	...
Seminary in Tests and Measurements .....	...	...	...	...	...	...	...	...	...	804	2	8
Contemporary Psychological Literature .....	...	...	...	805	1	18	805	1	9	805	1	12
Seminary in Abnormal Psychology .....	...	...	...	...	...	...	806	2	9	806	2	14
Seminary in Industrial Psychology .....	...	...	...	...	...	...	807	2	3	...	...	...
Psycho-Analysis .....	...	...	...	808	2	34	...	...	...	...	...	...
Psychological Problems in Higher Education	810	2	0	...	...	...	...	...	...	...	...	...
Advanced Theoretical Psychology .....	...	...	...	811	3	4	...	...	...	...	...	...
Advanced Statistics .....	...	...	...	...	...	...	...	...	...	814	3	0
Seminary in Psychological Statistics .....	...	...	...	815	2	4	815	2	2	...	...	...
Research in Psychology .....	...	...	...	950	...	43	950	...	34	950	...	35

ROMANCE LANGUAGES

FRENCH

Elementary French	401	5	16	401	5	205	401	5	76	401	5	51
Elementary French	402	5	15	402	5	71	402	5	163	402	5	65
Intermediate French .....	...	...	...	403	5	96	403	5	65	403	5	82
Intermediate French	404	5	6	404	5	113	404	5	75	404	5	67
Reading of French	405	0	10	...	...	...	...	...	...	...	...	...
Elementary French Conversation and Composition .....	...	...	...	410	5	20	410	5	47	410	5	22
Introduction to French Literature .....	...	...	...	413	5	57	413	5	49	413	5	64
Introduction to French Literature	414	5	11	414	5	13	414	5	30	414	5	28
French Literature of the 17th Century (1680-1715) .....	...	...	...	...	...	...	...	...	...	600	5	15
French Literature of the 17th Century (1600-1660) .....	...	...	...	...	...	...	601	5	10	...	...	...
French Literature of the 17th Century (1660-1680) .....	...	...	...	602	5	14	...	...	...	...	...	...
French Literature of the first half of 19th Century .....	...	...	...	...	...	...	...	...	...	603	5	*
French Literature of the 15th and 16th Centuries	605	3	*
French Literature of the 16th Century	606	3	*

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
French Literature of the 18th Century (1700-1750) .....	...	...	...	607	3	8	...	...	...	...	...	...
French Literature of the 18th Century (1750-1789)	608	3	12	...	...	...	608	3	16	...	...	...
The French Novel of 1850 .....	...	...	...	609	3	13	...	...	...	...	...	...
The French Novel—1850 to Present Day	610	3	9	...	...	...	610	3	18	...	...	...
The Comedy of Manners in the 19th Century (1800-1880) .....	...	...	...	611	3	*	...	...	...	...	...	...
The Comedy of Manners in the 19th Century (1880-1916) .....	...	...	...	...	...	...	612	3	*	...	...	...
Cours de Style .....	...	...	...	623	3	9	623	3	13	...	...	...
Cours de Style	624	3	12	...	...	...	624	3	10	...	...	...
Explication de Textes .....	...	...	...	...	...	...	625	3	0	...	...	...
French Phonetics	627	3	25	...	...	...	...	...	...	...	...	...
Modern French Syntax	628	3	12	...	...	...	...	...	...	628	3	23
History of the French Language .....	...	...	...	629	3	9	...	...	...	...	...	...
French Phonetics and Diction .....	...	...	...	632	5	13	632	5	9	...	...	...
Minor Problems in French .....	...	...	...	701	3-5	0	701	3-5	0	701	3-5	0
Honors Course in French .....	...	...	...	705	3-10	0	...	...	...	...	...	...
Honors Course in French .....	...	...	...	...	...	...	706	3-10	2	...	...	...
Honors Course in French .....	...	...	...	...	...	...	...	...	...	707	3-10	1
Introduction to Old French	801	3	9	801	3	5	...	...	...	...	...	...
Introduction to Old French .....	...	...	...	...	...	...	802	3	7	...	...	...
Old Provençal .....	...	...	...	803	3	*	...	...	...	...	...	...
Research in French Language or Literature	809	3-5	10	...	...	...	...	...	...	...	...	...
Seminary in French Literature	811	3	3	811	3	4	...	...	...	...	...	...
Seminary in French Literature .....	...	...	...	...	...	...	812	3	8	...	...	...
Old French Literature .....	...	...	...	...	...	...	...	...	...	813	3	4
Seminary in French Literature .....	...	...	...	...	...	...	...	...	...	817	3	9
Research in French Language or Literature .....	...	...	...	950	...	5	950	...	2	950	...	3
ITALIAN												
Elementary Italian .....	...	...	...	401	5	17	...	...	...	...	...	...
Elementary Italian .....	...	...	...	...	...	...	402	5	14	...	...	...
Modern Italian Literature (1800-1850) .....	...	...	...	601	5	0	...	...	...	602	5	15
Modern Italian Literature (1851-1900) .....	...	...	...	...	...	...	...	...	...	...	...	...
Dante's Life and Works .....	...	...	...	...	...	...	611	3	*	...	...	...
Research in Italian Language or Literature .....	...	...	...	950	...	0	950	...	0	950	...	0

SPANISH											
Elementary Spanish	401	5	194	401	5	69	401	5	48		
Elementary Spanish	402	5	46	402	5	129	402	5	60		
Intermediate Spanish	403	5	42	403	5	23	403	5	68		
Intermediate Spanish	404	5	39	404	5	25	404	5	30		
Commercial Spanish	...	...	...	405	5	16	...	...	...	...	...
Elementary Spanish Composition	...	...	...	...	...	...	410	5	35		
Introduction to Spanish Literature	413	5	12	413	5	20	...	...	...	...	...
Introduction to Spanish Literature	...	...	...	414	5	13	414	5	12		
Advanced Composition and Conversation	605	3	*	...	...	...	...	...	...	...	...
Advanced Composition and Conversation	...	...	...	606	3	*	...	...	...	...	...
The Modern Spanish Novel	...	...	...	607	5	9	...	...	...	...	...
The Modern Spanish Novel	...	...	...	...	...	...	608	5	16		
Romantic Drama and Poetry of the 19th Century	...	...	...	...	...	...	...	...	...	...	...
Romantic Drama and Poetry of the 19th Century	609	5	*	...	...	...	...	...	...	...	...
Modern Spanish Drama	...	...	...	610	5	*	...	...	...	...	...
Drama of the Golden Age	611	5	10	...	...	...	...	...	...	...	...
Cervantes	...	...	...	614	5	10	...	...	...	...	...
Survey of Spanish Literature from Earliest Times to the 17th Century	...	...	...	615	5	*	...	...	...	...	...
Survey of Spanish Literature of the 17th and 18th Centuries	...	...	...	...	...	...	616	5	*		
Modern Spanish Syntax	617	3	12	...	...	...	...	...	...	...	...
Spanish Phonetics	...	...	...	620	5	14	...	...	...	...	...
The Spanish Drama of the 16th Century	626	5	12	...	...	...	...	...	...	...	...
Survey of Spanish-American Literature	...	...	...	...	...	...	630	5	*		
Minor Problems in Spanish	...	...	...	701	3-5	1	701	3-5	0		
Honors Course in Spanish	705	3-10	2	705	3-10	1	...	...	...	...	...
Honors Course in Spanish	...	...	...	...	...	...	706	3-10	1		
Honors Course in Spanish	...	...	...	...	...	...	...	...	...	...	...
Old Spanish	...	...	...	805	3	5	...	...	...	...	...
Old Spanish	...	...	...	...	...	...	806	3	7		
Research in Spanish Language or Literature	810	2-5	12	...	...	...	...	...	...	...	...
Seminary in Spanish Literature	815	3	10	815	3	4	815	3	5	815	3
Old Spanish Literature	821	3	*	821	3	*	821	3	*	821	3
Research in Spanish Language or Literature	...	...	...	950	...	2	950	...	4	950	...
RURAL ECONOMICS											
Agricultural Economics	501	5	31	...	...	...	501	5	43		
Farm Management	502	5	25	...	...	...	502	5	14		
Rural Life	...	...	...	505	5	30	...	...	...	...	...
Advanced Farm Organization	602	3	21	...	...	...	...	...	...	...	...
Cooperation in Agriculture	...	...	...	603	5	35	...	...	...	...	...
The Agricultural Industry	...	...	...	605	3	17	...	...	...	...	...
Rural Sociology	606	5	0	...	...	...	...	...	...	...	...
Rural Social Organization	...	...	...	607	4	0	...	...	...	...	...
Rural Social Environment	608	3	0	...	...	...	...	...	...	...	...
Price of Farm Products	...	...	...	...	...	...	612	3	28		
Marketing Farm Products	613	5	33	...	...	...	613	5	26		
Business Management in Agricultural Marketing
Rural Social Institutions	656	4	12	614	3	*

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Special Problems	701	3-15	5	701	3-15	2	701	3-15	0
Research	950	...	0	950	...	0	950	...	0
SOCIOLOGY AND SOCIAL ADMINISTRATION												
Principles of Sociology	401	5	92	401	5	252	401	5	294	401	5	240
Principles of Sociology	402	5	65	402	5	118	402	5	174	402	5	256
Principles of Sociology	410	5	47	410	5	46	410	5	44
Introduction to Anthropology	501	5	22	...	...	...
The Sociology of Urban Life	505	5	31
The Family	601	4	35	...	...	...	601	4	35
The Immigrant	605	4	12	...	...	...	605	4	48	...	...	...
Race Relations Outside the United States	607	4	23
The Negro in American Life	608	4	21	...	...	...	...	...	...
The Standard of Living	610	3	34
Social Anthropology	612	4	*
Poverty	618	3	10	...	...	...
Social Treatment of Dependents	619	3	42	...	...	...	...	...	...
Social Treatment of the Child	620	3	42	...	...	...
The Criminal	625	3	54
Penology	626	3	26	...	...	...	...	...	...
Penology	627	3	6	...	...	...
Field Work in Social Statistics	638	5	29	...	...	...	638	5	19
Social Statistics	639	5	40	...	...	...
Case Recording	642	3	28	642	3	0
Leisure and Recreation	645	4	55	...	...	...	...	...	...
Special Organization and Administration of Recreation Facilities	646	4	8	...	...	...
Organization and Direction of Group Activities	647	3	11	...	...	...	...	...	...
Camping: Its Organization and Administration	649	3	6
Boys' Work Organization	650	4	*	...	...	...	...	...	...
Girls' Work Organization	651	5	11
Rural Social Institutions	656	4	12	...	...	...	...	...	...
Rural Welfare Organization and Administration	658	4	13	...	...	...	...	...	...	...	...	...
Social Order and Social Control	665	3	20	...	...	...	...	...	...
Social Evolution	666	3	5	...	...	...
Social Progress	667	3	12
Community Organization	668	3	37
Community Health Organization	670	3	13	...	...	...

Community Health Organization	671	3	16	...	...	...	...	...	...	...	...	...	...
Field Work .....	...	...	...	675	6-15	0	675	6-15	5	675	6-15	31	...
Social Case Work .....	...	...	...	695	3	48	...	...	...	...	...	...	...
Social Case Work .....	...	...	...	...	...	...	696	3	45	...	...	...	...
The Case Method in Group Work .....	...	...	...	...	...	...	...	...	...	697	3	0	...
Special Problems .....	...	...	...	700	1-4	9	700	1-4	7	700	1-4	6	...
History of Sociological Thought .....	...	...	...	801	2	2	...	...	2	...	...	...	...
History of Sociological Thought .....	...	...	...	...	...	...	802	2	2	...	...	...	...
History of Sociological Thought .....	...	...	...	...	...	...	...	...	...	803	2	3	...
American Sociological Theory .....	...	...	...	805	2	2	...	...	...	...	...	...	...
American Sociological Theory .....	...	...	...	...	...	...	806	2	0	...	...	...	...
American Sociological Theory .....	...	...	...	...	...	...	...	...	...	807	2	0	...
The Community Chest Movement .....	...	...	...	813	4	7	...	...	...	...	...	...	...
Contemporary Social Work .....	...	...	...	...	...	...	814	4	10	...	...	...	...
Interpretation of Social Work	815	4	10	...	...	...	...	...	...	...	...	...	...
Seminary in Anthropology .....	...	...	...	820	2	*	820	2	*	820	2	*	...
Development of Social Agencies .....	...	...	...	834	2	0	...	...	...	...	...	...	...
The Social Worker and Community Groups ..	...	...	...	835	3	9	...	...	...	...	...	...	...
National Social Work Agencies and Local Pro-	...	...	...	...	...	...	...	...	...	...	...	...	...
grams .....	...	...	...	...	...	...	836	3	10	...	...	...	...
Budgeting Community Social Work	837	3	10	...	...	...	...	...	...	...	...	...	...
Social Case Work .....	...	...	...	838	3	7	...	...	...	...	...	...	...
Probation .....	...	...	...	...	...	...	840	2	0	...	...	...	...
Methods of Sociological Investigation .....	...	...	...	845	4	12	...	...	...	...	...	...	...
Methods of Sociological Investigation .....	...	...	...	...	...	...	846	4	12	...	...	...	...
Research in Penology .....	...	...	...	847	1-4	3	...	...	...	...	...	...	...
Research in Penology .....	...	...	...	...	...	...	848	1-4	2	...	...	...	...
Research in Penology .....	...	...	...	...	...	...	...	...	...	849	1-4	2	...
Social Planning .....	...	...	...	856	4	0	...	...	...	...	...	...	...
The Reconstruction of Western Culture .....	...	...	...	...	...	...	857	4	0	...	...	...	...
Modern Social Movements .....	...	...	...	...	...	...	...	...	...	858	4	0	...
Seminary in Sociology .....	...	...	...	860	4	2	860	4	0	860	4	0	...
Research in Special Problems	870	1-4	6	...	...	...	...	...	...	...	...	...	...
Contemporary Sociological Literature .....	...	...	...	900	1-4	2	900	1-4	0	900	1-4	2	...
Research in Sociology .....	...	...	...	950	...	11	950	...	7	950	...	2	...
SURGERY													
Surgical Anatomy .....	...	...	...	600	2	99	...	...	...	...	...	...	...
Minor Surgery .....	...	...	...	...	...	...	...	...	...	601	3	91	...
General Surgery .....	...	...	...	602	5	83	...	...	...	...	...	...	...
General Surgery .....	...	...	...	...	...	...	603	5	85	...	...	...	...
General Surgery .....	...	...	...	...	...	...	...	...	...	604	5	83	...
Gynecology .....	...	...	...	...	...	...	...	...	...	605	3	84	...
Orthopedic Surgery .....	...	...	...	...	...	...	606	1	87	...	...	...	...
Conference Clinics .....	...	...	...	607	1	84	...	...	...	...	...	...	...
Conference Clinics	608	1	86
Conference Clinics	609	1	83	...
Operative Surgery	610	1	84

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
SURVEY COURSES												
Survey of Agriculture	3	116	...	...	...	...	...	...
COURSES OF GENERAL INTEREST—												
Survey of the Romantic Movement.....	604	15	6	...	...	...
Foundations of Contemporary Civilizations..	605	5	73	605	5	80	...	...	...
Development of Modern Science.....	608	5	69	608	5	69	...	...	...
Student Economic Problems and the Adviser	664	3	2	...	...	...	664	3	0
Principles of Psychology for Advisers.....	665	3	3	665	3	3	...	...	...
Survey of Education:												
Introduction Survey in Education.....	401	1	323	402	1	227	403	1	287
Survey of Engineering:												
Elements of Engineering.....	3	257	...	3	247	...	3	236
VETERINARY MEDICINE												
Topographic Anatomy of Domestic Animals...	404	5	63	...	...	...	...	...	...
Topographic Anatomy of Domestic Animals...	405	5	59	...	...	...
Anatomy of the Horse.....	416	7	17	...	...	...	...	...	...
Anatomy of the Horse.....	417	7	19	...	...	...
Topographic Anatomy of Domestic Animals...	418	7	22
General Pathology	421	5	0	421	5	60
Special Pathology	423	4	50	423	4	0
Parasitology	428	3	52	...	...	...	...	...	...
Parasitology	429	3	51	...	...	...
Histology of the Domesticated Animals.....	436	3	19	...	...	...	...	...	...
Histology of the Domesticated Animals.....	437	3	19	...	...	...
Embryology of the Domesticated Animals.....	438	3	20
Agricultural Veterinary Medicine	451	3	0	...	...	...	...	...	...
Agricultural Veterinary Medicine	452	3	12	...	...	...
Agricultural Veterinary Medicine	453	3	9
Materia Medica and Therapeutics.....	460	3	69	...	...	...	...	...	...
Materia Medica and Therapeutics.....	461	3	65	...	...	...
Materia Medica and Therapeutics.....	462	3	62
Special Pathology	524	4	0	...	...	...	524	4	50
Special Pathology of Infectious Diseases.....	526	3	36	526	3	0	...	...	...
Meat Inspection	527	3	35	...	...	...
Diseases of Small Animals.....	540	5	50	...	...	...	...	...	...
Sporadic Diseases of Large Animals.....	541	4	50	...	...	...

Sporadic Diseases of Large Animals.....	...	...	...	543	4	36	543	4	0	542	4	51
Infectious Diseases of Large Animals.....	...	...	...	543	4	36	543	4	0	542	4	51
Breeding Problems.....	...	...	...	550	1	34	551	1	34	552	1	34
Breeding Problems.....	...	...	...	550	1	34	551	1	34	552	1	34
Breeding Problems.....	...	...	...	550	1	34	551	1	34	552	1	34
Obstetrics.....	...	...	...	555	4	50	555	4	50	555	4	4
Genetic Hygiene.....	...	...	...	560	3	0	561	3	0	560	3	49
Environmental Hygiene.....	...	...	...	561	3	43	561	3	0	560	3	49
Biologic Hygiene.....	...	...	...	561	3	43	562	4	33	562	4	0
Food Hygiene.....	...	...	...	567	53	568	568	49	563	563	4	35
Clinics.....	570	3	3	570	3	33	571	3	34	569	...	49
Medical and Surgical Clinics.....	570	3	3	570	3	33	571	3	34	572	3	31
Medical and Surgical Clinics.....	570	3	3	570	3	33	571	3	34	572	3	31
Medical and Surgical Clinics.....	570	3	3	570	3	33	571	3	34	572	3	31
Physical Diagnosis.....	573	1	49	573	1	49	575	4	34	576	4	35
Special Surgery.....	574	4	35	574	4	35	575	4	34	576	4	35
Special Surgery.....	574	4	35	574	4	35	575	4	34	576	4	35
Special Surgery.....	574	4	35	574	4	35	575	4	34	576	4	35
Operative Practice.....	577	1	34	577	1	34	578	1	34	578	1	34
Operative Practice.....	577	1	34	577	1	34	578	1	34	578	1	34
Diseases of Poultry.....	581	3	0	581	3	0	581	3	53	585	1	34
General Surgery.....	582	5	50	582	5	50	581	3	53	585	1	34
Veterinary Medical Jurisprudence.....	582	5	50	582	5	50	581	3	53	585	1	34
Histologic Technic.....	625	2-5	2	625	2-5	2	620	2-5	5	620	2-5	5
Pathology Technic.....	621	2-5	0	621	2-5	0	621	2-5	5	621	2-5	5
Advanced Special Pathology.....	622	2-5	0	622	2-5	0	622	2-5	0	622	2-5	0
Special Problems in Parasitology.....	623	2-5	0	623	2-5	0	623	2-5	0	623	2-5	3
Special Problems in Veterinary Surgery.....	623	2-5	0	623	2-5	0	623	2-5	0	623	2-5	3
Advanced Veterinary Anatomy.....	625	3-5	0	625	3-5	0	625	3-5	0	624	5	7
Special Problems in Veterinary Medicine.....	626	2-5	0	626	2-5	0	626	2-5	7	625	3-5	0
Special Problems in Clinics.....	810	2-10	1	810	2-10	1	811	3-10	2	626	2-5	3
Special Problems in Clinics.....	810	2-10	1	810	2-10	1	811	3-10	2	812	3-10	0
Special Problems in Clinics.....	810	2-10	1	810	2-10	1	811	3-10	2	812	3-10	0
Special Anatomical Pathology.....	822	5	1	822	5	1	822	5	1	822	5	1
Special Bovine Pathology.....	823	5	0	823	5	0	823	5	0	823	5	0
Special Pathology Problems.....	824	5	0	825	5	0	825	5	0	825	5	0
Special Poultry Pathology.....	826	5	2	825	5	0	825	5	0	825	5	0
Special Parasitology Problems.....	826	5	2	826	6	3	826	5	0	826	5	0
Research in Special Problems in Veterinary Medicine.....	827	3-5	0	826	6	3	826	5	0	826	5	0
Research in Veterinary Surgery.....	828	5-10	0	827	3-5	0	827	3-5	0	827	3-5	0
Research Problems in Veterinary Medicine.....	829	5	2	828	5-10	0	828	5-10	0	828	5-10	0
Advanced Clinical Technic.....	830	3-10	0	829	5	1	830	3-10	0	830	3-10	0
Research in Veterinary Medicine.....	950	...	4	830	3-10	0	830	3-10	0	830	3-10	0
...	950	...	4	950	...	4	950	...	2	950	...	3
ZOOLOGY AND ENTOMOLOGY												
General Zoology.....	401	5	42	401	5	638	401	5	221	401	5	224
General Zoology.....	402	5	34	402	5	207	402	5	511	402	5	223
General Principles of Heredity.....	403	5	35	403	5	152	403	5	110	403	5	323
Ornithology.....	403	5	35	403	5	152	403	5	110	403	5	323
Apiculture.....	461	3 or 5	4	408	...	...	408	...	...	408	3	52
Animal Parasites.....	461	3 or 5	4	408	408	408	3	52
Evolution.....	504	5	32
...	509	5	86	509	5	69

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
General Entomology	550	5	29	...	...	...
Economic Entomology	551	5	10	551	5	28	...	...	...	551	5	31
Advanced Genetics	601	3	11	601	3	7	...	...	...
Animal Behavior	605	3	12	605	3	11	...	...	*	...	...	...
Animal Behavior	606	3	...	...	...	...
Animal Microtechnic	609	3 or 5	12	...	...	...	...	...	...
Cellular Biology I	617	5	17	...	...	...
Cellular Biology II	618	5	17
Advanced Zoology of Vertebrates	620	5	...
Advanced Zoology of Invertebrates: I—The Protozoa	625	5	16	...	...	...	...	...	...
Advanced Zoology of Invertebrates II	626	5	13	...	...	...
Advanced Zoology of Invertebrates III	627	5	15
Advanced Entomology	651	5	8	651	5	5	...	...	...	...	...	...
Advanced Entomology	652	5	7	...	...	...
Insect Control	653	5	5	...	...	...	...	...	...
Insect Control	654	5	8
Medical and Veterinary Entomology	655	5	0	...	...	...
Entomological Literature and Principles of Taxonomy	660	5	*	...	...	...
Special Problems	700	3 or 5	26	...	...	...	...	...	...	...	...	...
Special Problems	701	3 or 5	17	701	3 or 5	22	701	3 or 5	22
Seminary in Zoology	801	1	25	...	...	...	...	...	...
Seminary in Entomology	802	1	25	...	...	...
Seminary in Entomology	803	1	18
Invertebrate Zoology	805	5	5	...	...	...	...	...	...
Invertebrate Zoology	806	5	9	...	...	...
Invertebrate Zoology	807	5	5
Research	810	5-10	18	...	...	...	...	...	...	...	...	...
Biological Control of Insect Pests	814	5	5	...	...	...	...	...	...
Biological Control of Insect Pests	815	5	8	...	...	...
Research Methods: Living Insects	816	5	0
Morphology and Development of Insects	817	5	2	...	...	...	...	...	...
Research in Zoology and Entomology	950	...	18	950	...	14	950	...	11

APPENDIX IV

* SHOWING THE WHOLE NUMBER OF DEGREES IN COURSE CONFERRED SINCE THE FOUNDING OF THE UNIVERSITY

[illegible]

APPENDIX V

DEGREES AND CERTIFICATES GRANTED DURING YEAR 1933-1934

SEPTEMBER CONVOCATION

GRADUATE SCHOOL

Dean: WILLIAM MCPHERSON

DOCTOR OF PHILOSOPHY

Mary Auten, A.B. (Bluffton College); M.A.	Rawson
Willard William Bartlett, B.S. (Colgate University); A.M. (Columbia University)	Columbus
Charles Eaton Burch, A.B. (Wilberforce University); A.M. (Columbia University)	Washington, D. C.
Jack Compton, B.S. (Howard College); M.Sc.	Linden, Ala.
Llewelyn Archibald Cramer, B.Sc. in Agr., M.Sc.	Columbus
Charles Smalley Foster, A.B. (Antioch College); A.M. (University of Michigan)	Cassstown
John Joseph Fuller, B.S. in Edu. (Bowling Green State College) A.M. (Columbia University)	Dunbridge
Howard Emerson Gayley, A.B. (Franklin and Marshall College); M.S. (Pennsylvania State College)	Brookville, Pa.
Leo Blunt Genung, B.A. (Cornell College); M.S. (Brown University)	Osage, Ia.
Jesse Raymond Harrod, B.S. in Edu., B.S. (Ohio Northern University); M.Sc.	Ada
Lawrence Emerson Hicks, B.S. (Otterbein College); M.Sc.	Columbus
Michael Gerald Mattingly, B.A. (St. Vincent College); M.A.	Nashport
Paul Ingersoll Miller, A.B. (Huntington College); A.M. (University of Michigan)	Findlay
William Timothy Miller, B.S. in Edu. (Central Missouri State Teachers College); A.M. (University of Missouri)	Freedom, Mo.
Stewart Samuel Morgan, A.B. (University of Cincinnati); M.A.	Cincinnati
Edgar Burkhardt Nixon, A.B. (Miami University); M.A.	New Philadelphia
Joseph Anthony Orsino, B.A., M.Sc.	East Cleveland
Yi Ou-Yang, B.S. (Peiping University); M.Sc.	Changsha, Hunan, China
Joseph Dominic Parent, B.S. in Ch.E. (Catholic University of America); M.S. (Rensselaer Polytechnic Institute)	Washington, D. C.
Louis Edward Rath, A.B. (Antioch College); A.M. (University of Chicago)	Columbus
Henry Herbert Reighley, A.B. (Miami University); M.A.	Columbus
William Raymond Smittle, A.B. (Ohio University); M.A.	Oak Hill
Richard Carlton Steinmetz, A.B. (Muhlenberg College); A.M. (Indiana University)	Allentown, Pa.
Glenn Stewart Thompson, A.B. (Baldwin-Wallace College)	Columbus
Claude Carl Wakeland, B.S., M.S. (Colorado Agricultural College)	Columbus
Seth Thomas Walton, B.S. (North Carolina State College); D.V.M., M.Sc.	Columbus
Jesse Lynn Ward, A.B. (Indiana University); M.A.	Maumee
Harry Raymond Weimere, A.B. (Manchester College); M.Sc.	North Manchester, Ind.
George Willard White, A.B. (Otterbein College); M.A.	Durham, N. H.

(Twenty-nine Candidates)

MASTER OF ARTS

Dana William Allen, B.S. in Edu. (Ohio University)	Troy, Pa.
Charles Ellis Alpin, B.A. (Muskingum College)	Tippecanoe
Clarence Price Austin, B.A. (Alabama Polytechnic Institute)	Auburn, Ala.
Harold Henry Bach, B.S. in Edu. (Ohio University)	Ozark

Margaret Ellen Bair, A.B. (Denison University)	Findlay
Courtland Warfield Baker, A.B. (Otterbein College)	Columbus
Roscoe Patrick Baker, B.A. (Berea College)	Buffalo
Gale Wyeth Baldwin, B.S. (Denison University)	Unionville Center
Ray Ballou, A.B. (Ashland College)	Ashland
Arthur Barnett, B.S. in Edu. (Ohio University)	Morgantown, W. Va.
Andrew Barta, B.A.	Lorain
Mary Frances Baskett, A.B. (Central College)	Fayette, Mo.
Dale J. Baughman, A.B. (Adrian College)	Dunkirk
Erick Bernard Berglund, B.S. in E.E. (University of Minnesota)	Akron
Norris Dwight Blackburn, B.Sc. in Edu.	Coal Run
Clyde Othey Borrer, B.Sc. in Edu.	Orient
Helen Mae Boss, A.B. (Denison University)	Newark
Sidney Robert Boyd, A.B. (Muskingum College)	Ashland
Clarence C. Brackney, A.B. (Miami University)	Oxford
Bertha Blanche Bradford, B.A. (Ohio Wesleyan University)	Cleveland
Martin Ernst Brauer	Haven, Kan.
Charles Eugene Bryenton, A.B. (Baldwin-Wallace College)	Cleveland
Flonnie Odessa Chambers, A.B. (Carson and Newman College)	Evarts, Ky.
Horace Champney, A.B. (Antioch College)	Yellow Springs
Ralph Charles Clark, B.S. (Denison University)	Mt. Sterling
John Edward Comer, B.S. in C.E. (Case School of Applied Science)	Cleveland
Wilbur Dewey Coon, A.B. (Otterbein College)	Westerville
Chester Alton Cornell, B.S. in Edu. (Bowling Green State College)	Edon
Helen Ethel Cornwell, B.S. (Montana State College)	Barnesville
Mary Angela Costigan, B.Sc. in Edu.	Toledo
Sarah Helen Craig, B.A. (Ohio Wesleyan University)	Columbus
Golda Luella Curry, B.S., B.Ped. (Ohio Northern University)	Columbus
Pauline Edna Davis, B.S. (Michigan State Normal College)	Adrian, Mich.
George Claire Decker, B.S. in Ind. Edu. (Stout Institute)	Dayton
Vern Lewis Deckrosh, A.B. (Defiance College)	Circleville
Floyd Ohmer Denlinger, A.B. (Manchester College)	Trotwood
Glenn Eugene Detling, B.A.	Ansonia
John Russell Dick, B.A.	New Holland
Richard Dresher, B.Sc. in Edu. (University of Toledo)	Cleveland
Aileen Mary Duffy, A.B., B.S. in Edu. (St. Marys of the Springs College)	Columbus
Cleo Lewis Dumaree, B.Sc. in Edu.	Columbus
Clark B. Durbin, B.Sc. in Agr.	Hebron
Ralph Stancliff Edwards, B.A.	Cleveland
Emily Eilmann, B.A., B.Sc. in Edu.	Lakewood
John Wendell Evans, A.B. (Rio Grande College)	Gallipolis
†Lucy Belle Evans, B.S. in Edu. (Ohio University)	Athens
Leona Wise Felsted, B.Sc. in Edu.	Leipsic
Homer Robert Fisher, B.Sc. in Agr.	Sunbury
Wellington Guild Fordyce, B.A.	Cleveland
John William Forshey, B.S. in Edu. (Muskingum College)	Berne
Robert McKinley Fosnight, B.S. in Edu. (Kent State College)	Bremen
Margaret Jean Foster, B.A. (Muskingum College)	Claysville
Charles Delano Fox, B.S. in Edu. (Bowling Green State College)	Stryker
Lester Newton Geiger, B.Sc. in Agr.	Anna
Harry Geltz, B.Sc. in Edu.	Alliance
Chester Jonas George, B.Sc. in Agr.	Gettysburg
Paul Rudolph Glenn, A.B. (Rio Grande College)	Fowler, Colo.
Ema Lastenia Gonzalez, B. en Humanidades Universidad de Chili	Santiago, Chile
Mary Louise Goodman, B.A. (Michigan State College)	Detroit, Mich.
William Parks Grant, B.Music (Capital University)	Columbus
Harry Cornelius Graves, B.S. (Michigan State College)	Wilberforce
Clarence Edwin Gray, B.S. (Ohio Northern University)	Ada
Theodore Milton Gray, A.B. (Wittenberg College)	Piqua
Forest Truman Groves, A.B. (Heidelberg College)	Piqua
Charles Wilbur Hall, B.A. (Ohio Wesleyan University)	Powell
John Lou's Hall, B.S. (International Y.M.C.A. College)	San Diego, Cal.
Eugene Harold Hanson, B.S. (Denison University)	Malta

† Died, May 5, 1933

Emma Wilhelmina Ruth Harrel, B.S. in Edu. (Ohio University)	Eifort
Ellsworth Green Harris, B.A.	Columbus
Caton Nelson Hill, A.B. (Fairmont State Normal School)	Columbus
Roy Victor Hilty, A.B. (Bluffton College)	Bowling Green
Andrew Joseph Hooley, A.B. (Ohio Northern University)	Mt. Cory
Amos Grant Horney, A.B. (Earlham College); M.Sc.	Columbus
Ada Emily Mary Horst, B.Sc. in Edu.	Hilliards
Lester Lomin Hurley, A.B. (Defiance College)	North Lewisburg
Harold Samuel Irons, B.S. in Edu. (Ohio University)	Middletown
James Wilson Irvine, B.B.A. (University of Texas)	San Antonio, Texas
Edward Theodore Johnson, B.Sc. in Edu.	Cadiz
Lawrence Edward Johnson, A.B. (Otterbein College)	Deshler
Glenn Simeon Jones, B.S. in E.E. (Ohio University)	Columbus
Esther Elizabeth Joseph, B.A. (Ohio Wesleyan University)	Delaware
John Harold Kegg, B.A.	Columbus
Arthur Samuel Kiefer, B.Sc. in Hort.	Columbus
Richard Morecraft Kirby, A.B. (Berea College)	Berea, Ky.
Bernard Vincent Lally, B.A.	Niles
Howard Nicodemus Lamb, B.Sc. in Agr.	Carroll
Grant Howard Larned, B.B.A. (University of Washington)	Seattle, Wash.
Olan Jesse LaRue, B.S. in Edu. (Ohio Northern University)	Beaverdam
Willis Edward Laws, B.S. (Denison University)	Midvale
James Cecil Lawson, B.Sc. in Edu.	Columbus
Helen Marguerite Lintner, B.A. B.Sc. in Edu.	Columbus
Marcia Loomis, B.S. (Battle Creek College)	Ravenna
Kenneth Verne Lottick, A.B. (Hanover College)	Ravenna
Leslie Lovass, B.A.	Columbus
James Bolden Love, B.A. B.S. in Edu. (Wilberforce University)	Xenia
Carlyle Carpenter Lovewell, B.A. (Michigan State College)	Northville, Mich
Eleanor Taylor Ludeman, B.S. (University of Toledo)	Columbus
Herbert Roland Lundgren, B.Sc. in Edu. (Kansas State Teachers College of Emporia)	Agenda, Kan.

Frederick Charles Mackey, B.Sc. in Bus. Adm.	Galion
Carlos Welcome Mallett, B.S. in Edu. (Kent State College)	Belle Valley
Gertrude Ellen Mann, B.Sc. in Edu.	Galion
Dale Elliott Mansperger, B.S. in Edu. (Ohio University)	Chandlersville
Edward Masonbrink, B.Sc. in Edu.	Celina
Calvin Dale McDaniel, B.S. in Edu. (Bowling Green State College)	Mt. Blanchard
Corwin LeRoy McMahan, A.B. (Marietta College)	Wellsburg, W. Va.
Christine Louise Meyer, B.A., B.Sc. in Edu.	Columbus
William George Meyer, A.B. (Marietta College)	Marietta
Francis Fulton Middleswart, A.B. (Marietta College)	Williamstown, W. Va.
John Albert Miller, A.B. (Rio Grande College)	Ironton
Alice Ruth Moore, A.B. (Otterbein College)	Fostoria
Allen Alexander Nellis, Jr., B.S. (Alfred University)	Athens
Mary Adelia Nolan, B.A. (Notre Dame College)	Painesville
Dwight Wilson North, B.Sc. in Edu.	Groveport
Blanche Haven Oney, B.A. (Concord State Teachers College)	Mullens, W. Va.
Louise Mary Ort, B.Sc. in Edu.	Columbus
Glenn Oren Outland, A.B. (Wittenberg College)	West Liberty
Louise Virginia Palmer, B.A. (The College of Wooster)	Brilliant
Franklin Hayes Patterson, A.B. (Oberlin College)	Cleveland
Virgie Willard Peecher, B.S. in Edu. (Ohio University)	Clarksburg
Josiah Parker Pennington, A.B. (Ohio Northern University)	Spencerville
Freda Inez Pettit, A.B. (Mt. Union College)	Beloit
Pearl Jemima Phillips, B.S. in Edu. (Kent State College)	Kent
James Evans Pierce, B.A. (University of Toledo)	Toledo
Dorothy Marie Post, B.A. (College of the City of Detroit)	Birmingham, Mich.
Roy Monroe Pugh, B.S. (Ohio Northern University)	Cuyahoga Falls
Arthur Lloyd Reber, Jr., B.A.	Columbus
William Henry Redkey, A.B. (George Washington University)	Winchester
George Washington Reed, B.A. (Indiana State University)	Youngstown
Carl Richard Reese, B.Sc. in Edu.	Columbus
Walter Glenn Rhoten, B.S. in Edu. (Wilmington College)	Piqua

Nelle Richards, A.B. in Com. (Ohio University)	Glouster
John Oswald Roach, B.S. (West Virginia Wesleyan University)	Columbus
James Therin Rogers, B.S. in Edu. (Ohio Northern University)	Pioneer
Chaney Hudson Ross, B.Sc. in Agr.	Columbus
Kenneth Paul Ross, A.B. (Manchester College)	Danville
Clarence Frederick Rost, A.B. (Defiance College)	Bucyrus
Marie Elizabeth Rueff, A.B. (Hanover College)	Underwood, Ind.
Kathleen Woodard Saltz, B.A. (The College of Wooster)	Nelsonville
Herbert Harvey Sanders, B.Sc. in Edu.	Alliance
Joseph Elbert Schickedantz, B.Sc. in Agr.	Selma
Marion Green Scott, A.B. (Hillsdale College)	Martinsburg, W. Va.
Izora Catherine May Shumaker, B.A. (Ohio Wesleyan University)	Columbus
Grace Sisson, A.B. (Rio Grande College)	Porter
Howard Park Smith, B.A., B.Sc. in Edu.	Akron
Harold Leroy Snyder, B.S. in Edu. (Ohio University)	Warner
Thomas Hollister Southard, B.A.	Columbus
Merhyle Franklin Spotts, B.S. in M.E. (Ohio Northern University)	Columbus
Haydn Leonard Steiner, A.B. (Bluffton College)	Pandora
Ceph Leroy Stephens, B.Sc. in Edu.	Woodfield
Ethel Marie Straw, B.A., B.Sc. in Edu.	Ohio City
William Landon Swick, B.S. in Edu. (Ohio University)	Galion
Alice Swisher, B.Sc. in Edu.	Oxford
Marvin Frank Tarpley, B.S. (Wilberforce University)	Wilberforce
Melbra Thornton, A.B. (Rio Grande College)	Jackson
Elenor Loretta Tobin, A.B. (University of Toledo)	Toledo
Herbert R. Troyer, B.Sc. in Edu.	Bowling Green
James William Uebelhart, A.B. (Denison University)	Canton
Robert Peter Ulrich, B.A. (Ohio Wesleyan University)	Ridgeway
Mary Evans Van Hook, B.Sc. in Edu.	Worthington
Clyde DeWitt Van Tassel, B.S. in Edu. (Bowling Green State College)	Toledo
Natalie Simmerman Wahl, A.B. (West Virginia Wesleyan University)	Clarksburg, W. Va.
Harry Bliss Waldorf, B.S. (Muskingum College)	Bridgeport
Leo Asbury Walker, B.S. in Edu. (Ohio Northern University)	Swanton
Ennis Champ Warriek, B.A. (University of Wisconsin)	Wilberforce
Clyde Horace Weasner, B.S. in Edu. (Kent State College)	Garrettsville
William Ralph Weaver, B.S. in Edu. (Ohio University)	Crooksville
Kenneth Davis Weber, B.Sc. in Edu.	Galena
Vivian Faye Weedon, A.B. (University of Illinois)	Wilmette, Ill.
Kenneth M. Whaley, B.S. in Edu. (Bowling Green State College)	Huntsville
Willis August Whitehead, B.Arch.	Columbus
William Alvin Wickline, A.B. (Rio Grande College)	Birmingham
Edith May Wigal, A.B. (Cedarville College)	Jamestown
Harold Millard Williams, B.A. (Ohio Wesleyan University)	Salem
Walter Rollin Williams, Jr., B.Sc. in Edu.	Richwood
Gertrude Holmes Wilson, A.B. (Wittenberg College)	Springfield
Charles Sumner Wiseman, B.Sc. in Edu.	Columbus
Paulinebelle Wyss, A.B. (Bethany College)	Bridgeport
Blooma Ziegler, B.R.E. (Boston University)	Medina

(One hundred and seventy-eight candidates)

MASTER OF SCIENCE

Carl Henry Albrecht, B.S. (Capital University)	Galion
†Arthur Bruce Bankhardt, B.S. (Baldwin-Wallace College)	Cleveland
.† Died, July 3, 1933.	
Joseph Riley Beckenbach, A.B. (Antioch College)	Cleveland
Andrew Carnegie Bowling, B.S. in E.E. (Bucknell University)	Greensboro, N. C.
Fred Harold Brown, B.M.E.	Bellefontaine
Floyd Edward Davis, B.Sc. in Agr.	Belle Valley
Jess Harrison Davis, B.M.E.	Gallipolis
Richard Eugene Downing, B.S. in E.E. (Massachusetts Institute of Technology)	Bangor, Me.
Edward Harold Fournier, B.Sc. in Edu.	Cleveland
Mary Eloise Green, B.Sc. in Edu.	West Liberty

Dillard Wister Grimes, B. of Agr. (Mississippi Agricultural and Mechanical College)

Margaret Abigail Judd, B.A.....	Durant, Miss.
Gaylord Adelbert Kanavel, A.B. (Miami University).....	Columbus
Abraham Morton Kaplan, B.A. (Western Reserve University).....	Coshocton
Lawrence Edward Kunkle, B.Sc. in Agr.....	Cleveland
James Bennett Lesh, B.S. (Otterbein College).....	Springfield
Edwin Wade Mann, B.Ch.E.....	Westerville
George Horace McFadden, B.S. (Muskingum College); B.Sc. in Phar.....	Columbus
Peter Morrison, B.E.E.	New Athens
Oscar Warren Prasuhn, B.S. (Capital University).....	Worthington
Ralph Richard Rhodes, B.Cer.E.....	Ansonia
Oscar DeWitt Rickly, B.M.E.....	Columbus
Henrietta Margaret Robertson, B.S. in Edu. (Bowling Green State College).....	Bluffton
Paul Thomas Ruckman, B.S. in Edu. (Kent State College).....	Haskins
Joseph Robert Smart, B.C.E.....	Newton Falls
Milton Philip Solomon, B.S. (University of Arkansas).....	Columbus
Alvin Barber Stiles, B.Ch.E.....	New York, N. Y.
Lawrence E. Trishman, B.Met.E.....	Springfield
John Gordon Watts, B.S. (Clemson College).....	Akron
Douglas Leitch Whitlock, B.A. (The College of Wooster).....	Bethune, S. C.
	Wooster

(Thirty candidates)

MASTER OF ARTS IN SOCIAL ADMINISTRATION

Alice Louise Toops, B.Sc. in Soc. Adm.....	Orient
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(One candidate)

CANDIDATES RECEIVING TWO DEGREES

Arthur Morgan Bennett.....	Cleveland
Bachelor of Arts	
Bachelor of Science in Education	
Oliver Abbott Cooper.....	Shawnee
Bachelor of Arts	
Bachelor of Science in Education	
Lillian Alberta Davis.....	Barberton
Bachelor of Arts	
Bachelor of Science in Education	
Elizabeth Riley DeWees.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Eddie Lou Howery.....	Carpenter
Bachelor of Arts	
Bachelor of Science in Education	
Helen Leshner.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Joseph Elhanan Musgrove.....	Struthers
Bachelor of Arts	
Bachelor of Science in Education	
Tom Spiro Mustric.....	Wadsworth
Bachelor of Arts	
Bachelor of Science in Education	

(Eight candidates)

THE OHIO STATE UNIVERSITY

COLLEGE OF AGRICULTURE

Dean: JOHN F. CUNNINGHAM

BACHELOR OF SCIENCE IN AGRICULTURE

Harry Rudolph Anderson	Bowerston
Thomas Benjamin Clark	East Palestine
Russel Wade Guinther	Galion
Clarence Lee Haines	Montpelier
Harland Taylor Martin	Otsego
Russell Allen Rhoades	Brookville

(Six candidates)

BACHELOR OF SCIENCE
IN HOME ECONOMICS

Margaret Ann Ahrens	Danbury
Helen Geraldine Bone	Centerburg
Dessie Charlotte Brandt	Powell
Virginia Mae Crump	Milan
Flora Gertrude Dowler	Groveport
Evelyn Elizabeth Filiatrault	Prospect
Jean Margaret Gayer	Medina
Dorothy Lee Ingles	Columbus
Ruth Jones	Columbus
Lora Viola Lane	Martins Ferry
Glenna Lucille Mannon	Wilmington
Doris May Morrison	Columbus
Catherine Virginia Roberts	Seaman
Alice Margaret Roscoe	Vermilion
Mary Catherine Wiseman	Columbus

(Fifteen candidates)

COLLEGE OF ARTS AND SCIENCES

Acting Dean: ALBERT E. AVEY

BACHELOR OF ARTS—WITH HONORS

*Elizabeth Riley DeWees (cum laude and with High Distinction in English)	Columbus
*Eddie Lou Howery (cum laude)	Carpenter
*Helen Leshner (cum laude and with High Distinction in English)	Columbus
Charles Albert Parker (cum laude)	Columbus

(Four candidates)

BACHELOR OF ARTS

Morton Cote Anderson	Columbus
*Arthur Morgan Bennett	Cleveland
Mary Louise Clements	Columbus
*Oliver Abbott Cooper	Shawnee
Thurman Thomas Courtright	Lancaster
Manuel Abraham Davidoff	Newark, N. J.
*Lillian Alberta Davis	Barberton
Leslie Wayne Donaldson	Portsmouth
Eva Rose Goldberg	Jefferson
Robert McQuilkin Harrison	Bedford
Natalie Ruth Hinz	Toledo
Robert Alfred Keating	Dayton
John Carver Kennedy	Felicity
Ralph Edward Knox	Dayton

* Two degrees.

Eldred Doten Kuppinger.....	Columbus
Harry Heichel Landes.....	Wooster
Arthur Howard Long.....	Portsmouth
Harry Ralph Lowenthal.....	Newark, N. J.
Ruth M. Muething.....	Columbus
Fred Andrew Murphy.....	Wilmington
*Joseph Elhanan Musgrove.....	Struthers..
*Tom Spiro Mustrie.....	Wadsworth
William Graydon Myers.....	Wauseon
Myron Drake Oliver.....	Columbus
Aaron Julius Reiches.....	Cleveland
Daniel Johnson Riedel.....	Findlay
James Guy Shellman.....	Wooster
Rea Newton Sherman.....	Columbus
Stewart Boger Steiner.....	Powhatan Point

(Twenty-nine candidates)

COLLEGE OF COMMERCE AND ADMINISTRATION

Acting Dean: FELIX E. HELD

BACHELOR OF SCIENCE
IN BUSINESS ADMINISTRATION

Gilbert Rothgeb Botteron.....	Columbus
Karl Norman Carter.....	Worthington
Charles Edward Crone, Jr.....	Cleveland Heights
Frederick Ralph Didelius.....	Sandusky
Edwin Baker Dietrich.....	Cincinnati
Ruth Elsie Drayer.....	Columbus
Laval Todd Duncan.....	Columbus
Robert Ballard Hamilton.....	North Tonawanda, N. Y.
James Powell Hayes.....	Elyria
John E. Howell.....	Jackson
Elias Al Jacobs.....	Brooklyn, N. Y.
Howard Whitehouse Knapp.....	Youngstown
Howard William Kraft.....	Columbus
Jack Lerner.....	Lorain
James Forrest Light.....	Columbus
James Aden Lingo.....	Columbus
Don Miles Lowrie.....	Alliance
Ralph Ellsworth Lucas.....	Canandaigua, N. Y.
Evelyn Therese McDonald.....	Columbus
John Russell Messerly.....	Akron
Edward Archer Mowerson.....	Wyckoff, N. J.
Charles Eugene Rogers.....	Indianapolis, Ind.
Earl Harren Ruckman.....	Kenmore, N. Y.
Paul Stender Schantz.....	Orrville
James Addison Smith.....	Millersburg
Philip Soppel.....	Columbus
Arthur Edwin Ury.....	Defiance
Henry Arthur Young.....	Columbus

(Twenty-eight candidates)

BACHELOR OF SCIENCE
IN JOURNALISM

Forrest Geer Parkinson.....	Columbus
Charles Wilbert Pettegrew.....	Columbus
Arthur Sohn.....	Cincinnati

(Three candidates)

* Two degrees.

BACHELOR OF SCIENCE
IN SOCIAL ADMINISTRATION

Ruth Elizabeth Buxton.....	Zanesville
Ruth Frances George.....	Columbus
Leah Nason	Columbus
Helen Sara Sherman.....	Columbus
Gertrude Sole	Cleveland
Emerson Cletus Wollam.....	Columbus

(Six candidates)

COLLEGE OF EDUCATION
Acting Dean: DAN H. EIKENBERRY

BACHELOR OF SCIENCE
IN EDUCATION

Lincoln Dewitt Agler, B.A.....	Columbus
Albion Davis Allen.....	Amherst, Mass.
Keith V. Arnold.....	Wellington
Gertrude Askey	Clymer, Pa.
Delmore Watson Bailey.....	Unionville Center
Allen Henry Bauer, B.S. (Otterbein College); M.Sc.....	Batavia
Clyde Helser Beck.....	Columbus
*Arthur Morgan Bennett.....	Cleveland
Edward Angelo Billy.....	Ashtabula
Homer S. Bodley.....	Marion
Helen Josephine Bogart.....	Columbus Grove
Dorothy Carrol Bush.....	Columbus
John Cicanese	Gibsonburg
Howard Arthur Cochran.....	Fremont
*Oliver Abbott Cooper.....	Shawnee
Dwight Warren Curtiss.....	Columbus
*Lillian Alberta Davis.....	Barberton
Edna Aldipe DeBolt.....	Columbus
Lucille Craighead DeLoache.....	Columbus
*Elizabeth Riley DeWees.....	Columbus
Lawrence Edward DeWees.....	Columbus
Martha Adaline Dove.....	Bloomville
Mary Elizabeth Elder.....	Cincinnati
Roland Jacob Esper.....	Columbus
Gail Harper Finch.....	Lyndon
Mary Thelma Fox.....	Covington
Dorothea Wallace Frazier.....	Camp Dennison
Florence Ida Fritz.....	Fremont
Leah Ulnah Funk.....	Martinsburg
Ivan Joe Geiger, A.B. (Bluffton College).....	Bluffton
Leo Francis Gerber.....	Kane, Pa.
Lenabelle Goldberg.....	Steubenville
Francis Marion Gordon.....	Logan
Russell Francis Grauer.....	Niagara Falls, N. Y.
Sidney Webster Hale.....	Columbus
Rovilla Bessie Hanna.....	DeGraff
Wayne Levere Hays.....	Bannock
Margaret Virginia Heffner.....	Wapakoneta
Herald Herman Higgins.....	Columbus
*Eddie Lou Howery.....	Carpenter
Peggy Eleanor Hunter.....	Springfield
Martha Keziah Hutt.....	Waverly
Patricia Jayne Jackson.....	Columbus
Sara Adell Jackson.....	Columbus
David Johnston	Cleveland
Mabel Irene Klein.....	Bucyrus
Donna Orella Klink.....	Nevada

Julia Ellen Kromer.....	Columbus
Judson Harmon Lanman.....	Ashville
John Frederick Lantz.....	Columbus
*Helen Leshner.....	Columbus
Dorothy Lee Martin, B.A. (Ohio Wesleyan University).....	Greenville
Evaleen McGriff.....	Verona
Robert Lyle McKinnon.....	Akron
Genevieve Goodwin Mead.....	Norwalk
Anne Groce Medley.....	Chillicothe
Beatrice Eloise Merkhofer.....	Norwood
William Harvey Miller, B.S. in E.E. (Ohio University).....	Uhrichsville
Chester Otto Mills.....	Zanesville
Sarah Margaret Moore.....	Hebron
*Joseph Elhanan Musgrove.....	Struthers
*Tom Spiro Mustric.....	Wadsworth
Tressie Marie Myers.....	Vaughnsville
Alice Margaret Neal.....	Gallipolis
Robert Adams Nethers.....	Toboso
Dorothy Elizabeth Padgett.....	Coshocton
Dorothy Jane Pancake.....	Mt. Sterling
Joseph Allen Pecsok.....	Warrensville
Erma Virginia Pierpont.....	Hebron
Bernice Coutts Piper.....	Brookville
William Rufus Piper.....	Columbus
Glenn H. Pittenger.....	Shelby
Merton Baseler Porter.....	Agosta
Robert Max Reese.....	Plain City
William Reichbauer.....	Columbus
Marian Richey.....	Powell
Anna Elizabeth Roberts.....	Seaman
Jay Porter Roberts.....	Columbus
Amy Cleora Ross.....	Martinsburg
Eleanor Virginia Sandles.....	Columbus
Heber Lowell Schellenger.....	Jackson
Edward Harold Scofield.....	Columbus
Lucius Lee Shackson.....	Chagrin Falls
Mary Esther Smart.....	Columbus
Edna Ethel Smith.....	Columbus
Henry Holmes Smith.....	Columbus
Kathleen Elizabeth Smith.....	Columbus
Gladys Belle Stackhouse.....	Kensington
Katharine Sweyer.....	Amanda
Robert Horton Terhune.....	Washington C. H.
Russell Aloysius Thomas.....	Fayetteville
Milton Raymond Watson.....	East Liverpool
Ruth Wenger.....	Brookville
Emmett Earl White.....	Chillicothe
Ruth Elizabeth Wildermuth.....	Pleasantville
Edward Howell Windle, B.M.E., M.Sc.....	Washington, D. C.
Pansy Gertrude Wolcott.....	Cleveland
Malcolm Nicholson Wolfe, B.A.....	Columbus
Gregory William Wotschak.....	Cleveland
Phyllis Young.....	Columbus
Edwin Henry Ziegfeld, B.Sc. in Land. Arch.; M.L.A. (Harvard University).....	Columbus

(One hundred and one candidates)

BACHELOR OF FINE ARTS

Margaret Elizabeth Clymer.....	Columbus
David Weston Hunter.....	Worthington
Richard Marshall Livingston.....	Columbus
Clarence Wright Richell.....	Columbus

(Four candidates)

* Two degrees.

THE OHIO STATE UNIVERSITY

COLLEGE OF ENGINEERING

Acting Dean: WILLIAM D. TURNBULL

BACHELOR OF CHEMICAL ENGINEERING

Benjamin Finer	Utica, N. Y.
Kermith Kenneth Fligor	Akron
Leon Kepler Grove	Clinton

(Three candidates)

BACHELOR OF CIVIL ENGINEERING

John Harold Meincer	Fremont
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(One candidate)

BACHELOR OF ELECTRICAL ENGINEERING

DeVon Brown	Centerburg
Merrill Lovering Emmens	Ashland
Sam Barnett Garwood, Jr.	Columbus

(Three candidates)

BACHELOR OF ENGINEERING PHYSICS

Arthur Laurice Bryan	Columbus
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(One candidate)

BACHELOR OF INDUSTRIAL ENGINEERING

Alton Reynold Anderson	Youngstown
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(One candidate)

BACHELOR OF METTALLURGICAL ENGINEERING

William Philip Biggs	Elyria
Louis William Kaufman	Mansfield

(Two candidates)

BACHELOR OF SCIENCE IN APPLIED OPTICS

Abe Sam Kohn, B.A.	Columbus
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(One candidate)

COLLEGE OF MEDICINE

Dean: JOHN H. J. UPHAM

DOCTOR OF MEDICINE

Horace Blessing Davidson, B.Sc.	Columbus
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(One candidate)

COLLEGE OF PHARMACY

Dean: CLAIR A. DYE

BACHELOR OF SCIENCE
IN PHARMACY

Max Klein	Cleveland
Stephen Blaine Raynes	Columbus
James Ivan Rhiel	Portsmouth
Paul Francis Riggle	Zanesville
Samuel Earl Solomon	Cleveland
Homer Fremont Young	Columbus

(Six candidates)

DECEMBER CONVOCATION

GRADUATE SCHOOL

Dean: WILLIAM MCPHERSON

DOCTOR OF PHILOSOPHY

Jared Wilson Clark, B.S. (Ch.C.) (University of Wisconsin); M.Sc.....	Columbus
Melvin Adam Dietrich, A.B. (Oberlin College); A.M. (Princeton University).....	Poughkeepsie, N. Y.
William Littell Everitt, E.E. (Cornell University); M.S. (University of Michigan).....	Columbus
Earl William Ford, B.A. (Muskingum College); M.Sc.....	Cambridge
Ervin Merritt Herrick, B.Sc. in Agr., M.Sc.....	Twinburg
Richard Charles Hildner, B.S. (The College of Wooster); M.A.....	Columbus
Rex Marvin Johnson, B.A. (Muskingum College); M.A.....	Columbus
Gonzalo Merino, B.Agr. (University of the Philippines); B.S., M.S. (University of California).....	Puerto Princessa, Palawan, P. I.
Michael Peech, B.Sc. in Agr. (University of Saskatchewan).....	Oakburn, Man., Can.
Robert Arnold Schoenlaub, B.Cer.E.....	Columbus
Frank Merrick Semans, B.A., M.A.....	Columbus
Carroll Leonard Shartle, B.A. in Edu. (Iowa State Teachers College); A.M. (Columbia University).....	Ruthven, Ia.
Samuel Unger, B.A., M.A.....	Cleveland

(Thirteen candidates)

MASTER OF ARTS

William John Awty, B.A.....	Columbus
Ellen Mary Benbow, B.Sc. in Edu.....	Columbus
Charles Everett Boyer, A.B. (Otterbein College).....	Irondale
Arthur Morse Burlington, B.Sc. in Edu.....	Smithville
Clarence Carl Christman, B.A.....	Monroeville
William Marshall Coursen, B.S. in Edu. (Ohio University).....	North Lima
Clifford Rankin Crawford, A.B. (Davidson College).....	Kinston, N. C.
Ethel Crawford Edge, B.S. in Edu. (Bowling Green State College).....	Columbus
James Herman Fley, B.A.....	Georgetown
Emma Mae Force, B.Sc. in Edu.....	Shreve
Arthur Glenn Frederick, A.B. (Clafin College).....	Cleveland
Wenner Ahl Funk, B.S. (Heidelberg College).....	Cleveland
Albert James Griffith, B.A.....	Columbus
Miriam Truax Hamlin, B.Sc. in Edu.....	Lewistown
Fred Louis Helm, B.Sc. in Agr.....	Columbus
Edwin Norris Hughes, B.Sc. in Edu.....	Columbus
Blanche Gladys Kent, B.Sc. in Edu. (Kansas State Teachers College of Emporia).....	Columbus
Firmin Joseph Krieger, A.B. (St. John's University).....	Toledo
Virginia Krumm, B.Sc. in Edu.....	Columbus
Lester Wells Long, B.A. (Ohio Wesleyan University).....	Convoy
Walter Minoru Ozawa, B.A.....	Columbus
William Anderson Patterson, A.B. (Wittenberg College).....	Cleveland
William Crittenden Peck, A.B. (Rio Grande College).....	Carpenter
Hazel Edith Pope, B.A.....	Columbus
Kenneth Willet Povenmire, B.Sc. in Edu.....	Columbus
Clarence Okey Reef, B.S. in Edu. (Ohio University).....	Chardon
Louis Dale Dodabaugh, A.B. (Miami University).....	Oxford
John Thomas Saltz, B.Sc. in Jour.....	Columbus
Mary Esther Schatzman, B.A. (Ohio Wesleyan University).....	Cincinnati
Jennette Alma Stein, B.Sc. in Edu.....	Columbus
Mary Burnham Thomas, A.B. (Otterbein College).....	Westerville

(Thirty-one candidates)

MASTER OF SCIENCE

Ray Merton Batchelder, B.S. (University of New Hampshire); D.V.M.....	Durham, N. H.
Richard Miller Beer, B.Sc. in Bus. Adm., B.E.E.....	Columbus
Russell Lewis Cornetet, A.B. (Otterbein College).....	Westerville
Mary Esther Hambleton, B.A.....	Columbus

Herman Richard Heil, B.E.E.....	Columbus
Raymond Harlow King, B.Sc. in Agr.....	Hilliards
Horace LaVerne Latimer, B.Cer.E.....	Kenton
*Robert James Lucas.....	Newark
Thomas Augustus McMaster, B.S. in Dy. Ind. (Montana State College).....	Butte, Mont.
Harry Fullerton Miller, B.A.....	East Akron
Roy Joseph Plunkett, A.B. (Manchester College).....	Covington
Edwin Oliver Price, B.A. (University of Colorado).....	Longmont, Colo.
Marie Stanbro Price, B.S. (Cornell University).....	Columbus
Harold Robertson, B.S. (Massachusetts State College).....	Leyden, Mass.
Joseph Emerson Rose, B.I.E.....	Columbus
Robert Kenneth Salisbury, B.A.....	Russellville
Paul Zimpfer, B.S. (Capital University).....	Columbus

(Seventeen candidates)

CANDIDATES FOR TWO DEGREES

Catherine Lucile Campbell.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Robert James Lucas.....	Newark
Bachelor of Arts	
Master of Science	
James Victor Williams.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	

(Three candidates)

COLLEGE OF AGRICULTURE

Dean: JOHN F. CUNNINGHAM

BACHELOR OF SCIENCE
IN AGRICULTURE

Elmer Ellsworth Briner.....	Montpelier
Ralph Leonard Dailey.....	Bloomington
Byron Eugene Gamble.....	Venedocia
Joseph R. Gross.....	Cleveland
James Arthur Hambleton.....	McConnelsville
Paul Harvard Smart, B.E.E.....	Ostrander
Carey Lester Steiner.....	Bluffton
Leo Albert Stroyne.....	Columbus
Wendell Tolbert.....	Reynoldsburg
Walter Scott Tucker.....	Huntsburg
Frederick Bertrum Watson.....	Newark

(Eleven candidates)

BACHELOR OF SCIENCE
IN HOME ECONOMICS

Grace Amelia Deibig.....	Galion
Rose Mary Fallon.....	Cleveland
Josephine Bonaparte Fell.....	Columbus
Kathryn Duain Sharp.....	McConnelsville
Frances May Stephenson.....	Newark
Rose Fisher Stroup.....	Covington

(Six candidates)

* Two degrees.

COLLEGE OF ARTS AND SCIENCES

Dean: WALTER J. SHEPARD

BACHELOR OF ARTS—WITH HONORS

*Catherine Lucile Campbell (cum laude)	Columbus
Sol A. Danchik (cum laude)	Cleveland
Jean Frances Humphreys (summa cum laude and with High Distinction in Mathematics)	Columbus
Blair Lytle (with Distinction in Sociology)	Columbus
*James Victor Williams (cum laude)	Columbus

(Five candidates)

BACHELOR OF ARTS

Jane Welch Ames	Columbus
Carl Joseph Baum	Greentown
Bruce Charles Behmer	Dublin
Bernard Garner Bornstein	Paterson, N. J.
Louis Joseph Cracas	Brooklyn, N. Y.
James Robert Egan	Columbus
Robert James Farley	Columbus
Theodore Richard Hart	Columbus
William Friel Heimlich	Columbus
J. E. Holmes, Jr.	Orrville
George Nathan Kaufman	Cleveland
Lester Lind	Zanesville
*Robert James Lucas	Newark
Muriel Morris	Delaware
Eleanor Helen Narosny	Cleveland
John Charles Schnorr, Jr.	Diamond
Huldah Anne Stillman	Columbus
William Harold Stuart	Bremen
Janet Sylvester	Wellston
Benjamin Joseph Tepletsky	Port Clinton
Frances Helen Willard	Wellston
John Nicholas Wolfe	Columbus

(Twenty-two candidates)

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

BACHELOR OF SCIENCE
IN BUSINESS ADMINISTRATION

Paul Eugene Baker	Columbus
Louis Judson Blanchard	Columbus
James Morrison Conner	Kenton
Alan Dale Crowley	Columbus
John Murray Fitzpatrick	Columbus
Harold Lemerle Gebike	Canton
Levern Harold Hjalmarson	Cincinnati
Frank William Howard	Columbus
Robert Morris Hughes	Cleveland
Cyrus Lafkowitz	Newark, N. J.
John Robert Lively	Dayton
Ralph Cowgill Lynn	Cambridge
Chauncey Virgil Mattison	Schenectady, N. Y.
Samuel Jesse Miller	Cincinnati
Lowell Emerson Osbourne	Bloomington
Louis Howard Schuster	Columbus
Frank William Seryak	Barberton
Richard William Shelton	Georgetown

* Two degrees.

Simon Charles Shifman.....	Canton
Derwin Bell Smith.....	Dayton
Donald James Thompson.....	Columbus
Alvin Clayton Tschantz.....	Dalton
Carl William Westling.....	Columbus
Raymond Robert White.....	Sandusky
James Edward Wise.....	Bucyrus

(Twenty-five candidates)

BACHELOR OF SCIENCE IN JOURNALISM

George Arthur Leroy Griffin.....	Fayette
Henson Perrin Hazelton.....	Lancaster
Lewis George Hinchman.....	Columbus
Richard Henry Mensel.....	Columbus
Roger Thomas Sharp.....	South Vienna
Irving Alexander Williamson.....	Dayton

(Six candidates)

BACHELOR OF SCIENCE IN SOCIAL ADMINISTRATION

Florence Goldman.....	Cleveland Heights
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(One candidate)

COLLEGE OF EDUCATION Acting Dean: DAN H. EIKENBERRY

BACHELOR OF SCIENCE IN EDUCATION

William Albert Ballare, B.A.....	Cleveland
Martha Therese Balthaser.....	Columbus
William John Barker, B.A.....	Columbus
William Randolph Bigler, B.A., LL.B.....	Columbus
*Catherine Lucile Campbell.....	Columbus
Helen Mae Culp.....	Toronto
Wiatt Walter Darrow.....	Granville
Elsie Dorey.....	Newark
Mildred Elizabeth Eger.....	Sandusky
Dorothy Jane Fischer, B.A. (Northwestern University).....	Wapakoneta
Joseph Jeffrey Horst, B.Sc. in Bus. Adm.....	Columbus
Harold Edward Kimball.....	Delphos
Clark Clayton Latshaw, B.A.....	Fostoria
Donald Austin Lee.....	Eldorado
Theresa Marshall, B.A.....	Columbus
Margaret Louise Maxwell.....	Waterford
Grace Naomi Miller.....	Spring City, Pa.
Marjorie Ruth Moore.....	Newark
Rachel Marian Moore.....	Columbus
Marjorie Mosier Moulton, B.A. (Ohio Wesleyan University).....	Columbus
Hannah Neustadt.....	Columbus
Robert Henry Owen.....	Granville
Frederick Howald Pickering, B.A.....	Columbus
Ralph Stewart Richey, B.A.....	Centerburg
Vondale Ruby Smith.....	Columbus
Marjorie Louise Stork.....	Columbus
Ann Mae Tyler.....	Columbus
Mary Elizabeth Wallsmith.....	Portsmouth
Kenneth Clarence Wible.....	Youngstown
*James Victor Williams.....	Columbus
Reid Ashmore Yoakam.....	Utica

(Thirty-one candidates)

* Two degrees.

COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK

BACHELOR OF CERAMIC ENGINEERING

Julius Baker	Columbus
Joseph John Boehler.....	Columbus
Paul Sylvester Cecil.....	Columbus
Edmund Aloyious Durbin.....	Columbus
Lincoln Kilbourne	Columbus
Edgar David Riebel.....	Columbus
Charles Franklin Spence.....	Columbus
Cecil Herbert Turner.....	Columbus
(Eight candidates)	

BACHELOR OF CHEMICAL ENGINEERING

Elmore Alvah Faine.....	New Straitsville
Albert Lee Fishback.....	East Monroe
Elden Detalau Haller.....	Columbus
Benjamin Franklin Keifer.....	London
(Four candidates)	

BACHELOR OF CIVIL ENGINEERING

John Franklin Garvin.....	Columbus
William Levy	Youngstown
William Henry Liggett.....	Marysville
David Daniel Macklin.....	Groveport
Dale Stone Owen.....	Columbus
Frederick Merrick Sayre, Jr.....	Michigan City, Ind.
Rafael Suarez.....	Bogota, Colombia, S. A.
(Seven candidates)	

BACHELOR OF ELECTRICAL ENGINEERING

Malcolm Samuel Freidenberg.....	Columbus
Charles Carl McCarty, Jr.....	Columbus
Robert Tudor Myers, B.S. (Otterbein College).....	Westerville
Fred Hoffman Trimmer.....	Lancaster
(Four candidates)	

BACHELOR OF ENGINEERING IN MINING

Wayne Gerber	Columbus
(One candidate)	

BACHELOR OF ENGINEERING PHYSICS

Robert Milton Parrette.....	Columbus
(One candidate)	

BACHELOR OF INDUSTRIAL ENGINEERING

Ernest Franklin Brownstead.....	Ironton
Harry Alfred Dorsey.....	Marion
Albert Andrew Maynard.....	Lakewood
Erwin Eugene Miller.....	Ravenna
Robert Standish Norris.....	Columbus
Paul Winfield Shapter.....	Columbus
Raymond Jacob Stewart.....	Cleveland Heights
(Seven candidates)	

BACHELOR OF MECHANICAL ENGINEERING

Walter Thomas Czuba.....	Lorain
Francis Nicholas Gohdes.....	Columbus
Charles Addison Hempstead.....	Columbus
(Three candidates)	

THE OHIO STATE UNIVERSITY

BACHELOR OF METALLURGICAL ENGINEERING

Kenneth M. Haley.....Springfield
(One candidate)

COLLEGE OF MEDICINE

Dean: JOHN H. J. UPHAM

DOCTOR OF MEDICINE

John Gersten, B.A. (University of Pennsylvania).....Cincinnati
(One candidate)

COLLEGE OF PHARMACY

Dean: CLAIR A. DYE

BACHELOR OF SCIENCE
IN PHARMACY

Russell Harold Miesse.....Lancaster
Ben Alvin Stillman, B.A.....Cleveland
(Two candidates)

MARCH CONVOCATION

GRADUATE SCHOOL

Acting Dean: CARL WITKE

DOCTOR OF PHILOSOPHY

Stanley Willard Bromley, B.Sc., M.Sc. (Massachusetts Agricultural College).....Dudley, Mass.
Hau-Yung Chao, B.S. (Tsing Hua University); M.S. (University of Illinois).....Peiko, Hunan, China
Oliver Daniel Diller, A.B. (Bluffton College); M.Sc.....Columbus Grove
Roy Eugene Geeting, B.S. (Miami University); A.M. (University of Michigan).....Ada
David Farrow Helm, A.B. (Denison University); M.S. (Michigan State College).....Newark
John Calvin Lotze, A.B. (Miami University); M.A.....East Palestine
Leon Albert McDowell, B.S. (The College of Wooster); M.Sc.....Brewster
Ralph Blosser Neiswander, B.Sc. in Agr., M.Sc.....Williamstown
Francis Joseph Robichaux, B.S., M.S. (Louisiana State College).....Baton Rouge, La.
George Henry Spencer-Strong, B.Cer.E., M.Sc.....Sandusky
James Edwin Wert, B.S. (Adrian College); M.A.....Columbus
(Eleven candidates)

MASTER OF ARTS

Edmond Lower Bigelow, B.A. (Ohio Wesleyan University).....Delaware
Floyd Barton Chapman, B.A.....Columbus
Mary Estaline Dunbar, B.A. (Ohio Wesleyan University).....Worthington
Harry Verle Edwards, A.B. (Cornell College).....McConnelsville
Alfred August Herzberger, B.S. (University of Toledo).....Toledo
Winifred Estrich, B.A.....Edon
André Gleyzal, B.A.....Cleveland
Alfred August Herzberger, A.B. (Heidelberg University).....Steubenville
Wilhelmina Slaymaker Kinsey, B.A., B.Sc. in Edu.....Columbus
Abraham Frederick Krivonos, B.A.....East Cleveland
Margaret Julia Lunsford, B.Sc. in Edu.....Huntington, W. Va.
Glenn Lowery McConagha, B.A. (Muskogum College).....New Concord
William Herzer Otto, A.B. (Wabash College).....Marietta

William Earl Pursley, A.B. (Marion College).....	Hartford City, Ind.
Robert R. Robbins, B.A.....	Dayton
James Henry Rowland, B.Sc. in Edu.....	Columbus
George Harris Ruggy, B.A. (The College of Wooster).....	Salem
Ronald Burns Spacht, B.S. in Edu. (Kent State College).....	Mantua
Natalia Sydow Stone, B.A.....	Columbus

(Nineteen candidates)

MASTER OF SCIENCE

Clarence Julian Clarke, C.E.....	Columbus
Donald Richard Jackson, B.S. (The College of Wooster).....	Wooster
Clyde Roosevelt Jones, B.Sc. in Agr.....	Kenton
Ralph Wallace Kewish, B.A.....	Worthington
Homer Charles Knauss, B.Sc. (Muhlenberg College).....	Allentown, Pa.
Henry Edmund Kretchmer, B.A. (Western Reserve University).....	Cleveland
Benjamin Franklin Lee, B.S. (Wilberforce University).....	Cincinnati
Kenneth Emory McCloskey, A.B. (Oberlin College).....	Lakewood
D'elal Moustafa, B.S. in C.E. (University of Illinois).....	Ankara, Turkey
Wilfred George Purdy, B.S. (Massachusetts Agricultural College).....	Columbus
Leon J. Sacks, B.S. (University of Akron).....	Akron
Betty Jane Skinner, B.S. in Edu. (Miami University).....	Oxford
Mae Smeltzer, A.B. (Rio Grande College).....	Rio Grande
Laurence A. Weaver, B.Met.E.....	Columbus
Luther Oman Young, B.A.....	Groveport

(Fifteen candidates)

CANDIDATE FOR TWO DEGREES

Thomas Charles White.....	West Chester
Bachelor of Arts	
Bachelor of Science in Education	

(One candidate)

COLLEGE OF AGRICULTURE

Dean: JOHN F. CUNNINGHAM

BACHELOR OF SCIENCE
IN AGRICULTURE

Walter Lynn Allen.....	Warren
Stark Ranauld Beard.....	Centerburg
Dale Kermit Bee.....	Bethel
Lawrence Herman Biddle.....	Dayton
Merwin Webster Bidwell.....	West Jefferson
Richard Frederick Buehler.....	Fremont
Herschel Boehm Drake.....	Hamersville
George Neill Harkness.....	Venice
Jay Ralph Harner.....	Xenia
Valentine Holeski.....	Richfield
Leland Leroy Hoover.....	Lewistown
Russell Bailey Kline.....	Venedocia
John Winter MacQueen.....	Gates Mills
George Reginald Mapp.....	Springfield
David Alfred Meyer.....	Lebanon
Paul P. Mohr.....	Oxford
Doris Daniel Moyer.....	Prospect
Karl Eldon Obrecht.....	Loudonville
Joseph Chester Peters.....	Ashville
Raymond Woodrow Pifer.....	Ashland
Wayne Copham Powell.....	Bellaire
Paul William Rodeheffer.....	St. Marys
Walter Haldon Sabroske.....	Fremont

Kern Kermit Schellenger.....	Jackson
Farrell McCorkle Shultz.....	DeGraff
David Splaver.....	Cleveland
Curtiss Oliver Steele.....	South Vienna
Benjamin Aubrey Tomb.....	Tiffin
William Arthur Wagner.....	Canal Fulton
G. Melvin Wilkinson.....	Hilliards

(Thirty candidates)

BACHELOR OF SCIENCE IN HOME ECONOMICS

Azeale Lorene Graves.....	Moncalm, W. Va.
Marian Elizabeth Janes.....	Dayton
Freda Pauline Koehler.....	Grove City
Mary Martha Lewis, B.A. (Wilmington College).....	Wilmington
Margery Kinhead McGarraugh.....	Columbus
Kathryn Alice Paxton.....	Columbus
Alice Pauline Shaw.....	Ashley
Josephine Brandon Snypp.....	Columbus
Margaret Louise Waite.....	Columbus

(Nine candidates)

COLLEGE OF ARTS AND SCIENCES Acting Dean: HENRY RUSSELL SPENCER

BACHELOR OF ARTS—WITH HONORS

Benjamin Edward Carroll (cum laude).....	Columbus
Jacqueline Helene Berthe Fouré (cum laude).....	Columbus
Neville Kirsch (cum laude).....	Brooklyn, N. Y.
John Laughlin McClintock (cum laude).....	Cadiz
Norman Ossip Shaftel (cum laude).....	Brooklyn, N. Y.
Lillian Nippert Wittke (summa cum laude).....	Columbus

(Six candidates)

BACHELOR OF ARTS

Robert Lloyd Bebb.....	Columbus
Jack Jerome Berry.....	Cleveland
Eugene Bifulco.....	Hempstead, N. Y.
Sanford Karl Billstein.....	Cleveland
Sylvia Sarah Bornstein.....	Gloversville, N. Y.
William Newell Collingwood.....	Columbus
William Goldman.....	Auburn, N. Y.
Edward Foy Heekin.....	Cincinnati
Aileen Maud Herbig.....	Fremont
Alice Frances Janca.....	Lakewood
Edward Nicholas Kerola.....	Mountain Iron, Minn.
Kenneth Robert Kidd.....	Columbus
Robert Roy Lacher.....	Delaware
David Williams Lattimer.....	Columbus
Clarence Err Ledyard.....	Bucyrus
Elizabeth Hoffmann McManigal.....	Columbus
Leon Novendstern.....	Jersey City, N. J.
Beatrice Frances Oakes.....	Medina
Morrie Paine.....	Columbus
Rachel Naomi Prince.....	Toledo
William Shapero.....	Cleveland
Emanuel Arnold Singer.....	Newark, N. J.
Samuel Leonard Vinci.....	Cleveland
Abraham Harvey Weingarten.....	Brooklyn, N. Y.

*Thomas Charles White.....	West Chester
Margaret Western Wilson.....	Columbus
Harry Wishnie.....	Newark, N. J.
Emily Ernestine Young.....	Columbus
Mary Lucretia Ziebold.....	Columbus

(Twenty-nine candidates)

BACHELOR OF SCIENCE

Nancy Safford Whitticar.....	New Philadelphia
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(One candidate)

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

BACHELOR OF SCIENCE
IN BUSINESS ADMINISTRATION

Michael Carl Ansinelli.....	Bellaire
Richard Sheridan Baldwin.....	Columbus
James Elbert Blower.....	Glouster
Harold Emerson Cameron.....	Columbus
Ralph Maxwell Davis.....	Pittsburgh, Pa.
William Ross Diehl, Jr.....	Columbus
Howard William Dye.....	McConnelsville
Robert Harmon Finke.....	Coshocton
John Killits Gardner.....	Bryan
Glen Max Haas.....	Kelleys Island
John Edward Keevert.....	Columbus
John Stephenson Kohlhausen, Jr.....	Columbus
Howard Wilmer Pontius.....	Wauseon
Paul Joseph Remakus.....	Celina
Wellington Joseph Schaal.....	Toledo
Arthur Frederick Schalk, Jr.....	Columbus
Thomas Frederick Smith.....	Logan
James Taylor Walden.....	Columbus

(Eighteen candidates)

IN JOURNALISM

Barbara Louise Baker.....	East Cleveland
Leon Edward Mathews.....	Willard
Morris Martin Shaffer.....	Cleveland

(Three candidates)

BACHELOR OF SCIENCE
IN SOCIAL ADMINISTRATION

Charles Ronald Cohen.....	Cleveland
Myrtie Laura Dunbar.....	Cutler
Elizabeth Ravella Herbert.....	Columbus

(Three candidates)

* Two degrees.

COLLEGE OF EDUCATION

Acting Dean: W. W. CHARTERS

BACHELOR OF SCIENCE IN EDUCATION

Ormond Sloan Adams.....	New Boston
Marjorie Maybelle Davidson.....	New Lexington
Dorothy Elizabeth Evans.....	Dayton
Maurice Erwin Goldberg.....	Cleveland
Oliver Wendell Holmes.....	Middleport
Roy Jenkins.....	Wapakoneta
Walter Jennings, B.A.....	Columbus
Ellsworth Hall Ketner.....	Mansfield
James Joseph Masek.....	Cleveland
Isadore Solomon Melamed.....	Cleveland
Dorothy Catherine Morris.....	Columbus
Harley Award Roberts.....	Kirtland
Samuel James Smith.....	Barnesville
Paul Raymond Temple.....	Rawson
Opal Foreman Thompson.....	Findlay
Martin Dale Varner.....	Lima
Elda Mary Volpe.....	Columbus
*Thomas Charles White.....	West Chester

(Eighteen candidates)

BACHELOR OF FINE ARTS

George William Fetzer.....	Columbus
Louella M. Sherrington, A.B. (Otterbein College).....	Columbus

(Two candidates)

COLLEGE OF ENGINEERING

Acting Dean: WILLIAM D. TURNBULL

BACHELOR OF ARCHITECTURE

Paul Edwin Brooke.....	Columbus
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(One candidate)

BACHELOR OF ARCHITECTURAL ENGINEERING

George Marsch, Jr.	Dayton
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(One candidate)

BACHELOR OF CHEMICAL ENGINEERING

William Albright Menges.....	Washington, D. C.
Howard Leroy Millisor.....	Columbus
William Frederick Swink.....	Wapakoneta
Sylvester John Weiskircher.....	Martins Ferry

(Four candidates)

BACHELOR OF ELECTRICAL ENGINEERING

Alexander Roland Cawolsky.....	Columbus
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(One candidate)

BACHELOR OF ENGINEERING IN MINING

Charles Joseph Marchis.....	Hamden, Conn.
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(One candidate)

* Two degrees.

BACHELOR OF ENGINEERING PHYSICS

Herbert William DeWeese.....	Dayton
Harry Louis Schoy, Jr.....	Cleveland
Michael Louis Valentino.....	Cleveland

(Three candidates)

BACHELOR OF INDUSTRIAL ENGINEERING

Truman Hutchins	Amanda
Robert Frederic Nicholas.....	Cleveland
Joseph Raymond Pichler.....	Dayton
Willis William Richards.....	Columbus
Elmer White	Vickery

(Five candidates)

BACHELOR OF MECHANICAL ENGINEERING

Edmon Stephen Freshwater.....	Ostrander
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(One candidate)

COLLEGE OF PHARMACY

Dean: CLAIR A. DYE

BACHELOR OF SCIENCE
IN PHARMACY

Russel Leon Jefferson.....	Dayton
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(One candidate)

COLLEGE OF MEDICINE

Dean: JOHN H. J. UPHAM

PROFESSIONAL CERTIFICATES

CERTIFICATE OF GRADUATE NURSE

Thelma Claire Boughner.....	Mingo Junction
Edna Mae Chambers, B.Sc. in Edu.....	Mt. Vernon
Neva Jeanette Lauer.....	Columbus
Katherine Gent Smith.....	Chesterville

(Four candidates)

JUNE CONVOCATION

GRADUATE SCHOOL

Dean: WILLIAM MCPHERSON

DOCTOR OF PHILOSOPHY

Ella Lauretta Ackerman, B.Sc. in Edu., M.A.....	Columbus
Waldo Clifford Ault, B.A., M.A.....	Willshire
Lawrence Paul Biefeld, A.B. (Denison University).....	Granville
William James Blackburn, Jr., B.Sc. in Soc.Ser., M.A.....	Columbus
Phil Walter Buck, B.S. in Edu., M.S. (Kansas State Teachers College of Emporia) Emporia, Kan.	
Charles Whang Choi, B.S. (Keijo Technical College); B.Sc. in Chem. Engr., M.Sc. in Chem. Engr. (Syracuse University).....	Seoul, Korea
Otis Clifford Dermer, B.S. in Edu. (Bowling Green State College).....	Hoytville
Paul John Flory, B.S. (Manchester College); M.Sc.....	New Paris, Ind.

Louis William Georges, B.Sc. in Phar. (University of Notre Dame); M.A.	Marcus, Ia.
Esther Lucille Grant, B.A. (Ohio Wesleyan University); M.A.	Defiance
Paul George Herold, B.Cer.E., M.Sc.	Columbus
Wei Chieh Hsieh, B.S., M.S. (Yenching University)	Peiping, China
Harry Leon Katz, B.A. (Western Reserve University)	Cleveland
Helmut Ernst Ludwig Kohnke, D.Sc. of Agr. (Prussian Agricultural University of Berlin); B.Sc. in Arts, M.Sc. (University of Alberta)	Berlin, Germany
Julian Lawrence Maline, A.B., M.A. (Gonzaga University)	Milford
Walter C. McNelly, B.S. in Edu. (Miami University); M.Sc.	Brookville
Mary Dora Rogick, A.B. in Edu., A.M. (University of Nebraska)	Columbus
Richardson Henry Rowntree, B.B.A., M.B.A. (University of Washington)	Seattle, Wash.
Roscoe Frederick Schaupp, A.B. (University of Nebraska); M.A.	Columbus
Myril Clement Shaw, B.S., M.S. (Pennsylvania State College)	Roseville
Paul Edmondson Shearin, A.B. in Edu., A.M. (University of North Carolina)	Essex, N. C.
John Gordon Steele, B.S. (Pennsylvania State College); M.Sc.	Wooster
Samuel Morris Steward, B.A., M.A.	Columbus
Gerald John Stout, B.S. (Michigan Agricultural College); M.S. (Michigan State College)	Columbus
John William Theodore Suckau, B.S. (Wheaton College); M.A.	Berne, Ind.
Thomas Scott Sutton, B.Sc. in Agr., M.Sc.	Hammondsville
Raymond Hsien Tseng, A.B. (Grinnell College); A.M. (Oberlin College)	Tunghsian, Peiping, China
Edmund David Walter, B.S. (Pennsylvania State College); M.Sc.	Columbus
Shu-Pan Wu, A.B., A.M. (Leland Stanford University)	Tiensten, China
(Twenty-nine candidates)	

MASTER OF ARTS

Fred Horn Allen, B.A. (Muskingum College)	Lafferty
Anthony George Anderla, B.Fine Arts.	Mantua
Morton Cote Anderson, B.A.	Columbus
Jesse Leroy Baker, A.B. (Manchester College)	Covington
Beatrice Louise Barker, B.Sc. in Edu.	Columbus
Marjorie Hope Batchelder, B.A. (Florida State College for Women)	Charlottesville, Va.
Clarence Frederick Bateman, B.S. in Edu. (Miami University)	Columbus
Herbert Wycliffe Baumgardner, A.B. (Lincoln University)	Columbia, S. C.
E. Beryl Bishop, B.S. in Edu. (Bowling Green State College)	Clyde
Homer Disbro Blanchard, B.A. (Ohio Wesleyan University)	Elyria
Catherine Ann Brennan, B.A.	Columbus
*Robert Fulton Brown	Amanda
Bernice Prince Cain, A.B. (Wittenberg College)	Conover
Elsa Jane Carroll, B.Sc. in Jour.	Columbus
George Howard Connaughton, A.B. (Cornell University)	Wapakoneta
Aaron Davis, S.B. (The University of Chicago)	Cleveland
Elton Francis Drake, B.S. (Western State Teachers College)	Parchment, Mich.
Dorothy Dumble, B.A.	Columbus
Charles Odard Dutton, A.B. (Drake University)	Des Moines, Ia.
*Lena Stafford Enright, B.A.	Findlay
Margaret Foster, B.A. (Ohio Wesleyan University)	Delaware
Minerva Jane France, B.A. (West Virginia Collegiate Institute)	Westerville
Walter Frederick Gauggel, B.Sc.	Columbus
William Allen Higgins, B.A.	Columbus
Elsie Marie Holladay, B.Sc. in Edu.	Hillsboro
Lyle James Holverstott, B.A. (Ohio Wesleyan University)	Delaware
Reid Ethelbert Jackson, B.S. (Wilberforce University)	Wilberforce
Marjorie Augusta Johnson, A.B. (Oberlin College)	Oberlin
Howard Ernest Kirk, B.S. in Edu. (Ohio University)	Logan
Lucille Dorothea Lamkin, B.Sc. in Edu.	Alliance
Byron Oscar Leeper, B.S. in Edu. (Kent State College)	Kent
John Neal Lewis, B.S. (Massachusetts Agricultural College)	Dayton
Frank Alexander Livingston, B.Fine Arts.	Columbus
Wayne Taylor Matthews, A.B. (Ohio University)	Athens
Elizabeth Elliott McCaughey, B.A.	Columbus

* Two degrees.

*Robert Stowers McCleery.....	Columbus
Herbert William McKelvey, A.B. (Ohio University).....	Painesville
Mary Elizabeth McNutt, B.S. (University of New Hampshire).....	Durham, N. H.
Mabel Leota McOwen, B.Sc. in Edu.....	Black Lick
Margaret Smith Millar, B.Sc. in Edu.....	Columbus
Doris Reed Miller, A.B. (Mount Union College).....	Alliance
Sylvain Sydney Minault, B.A.....	Oxford
Robert Turnbull Morrison, B.A. (Ohio Wesleyan University).....	Delaware
Richard Lessing Nixon, A.B. (Miami University).....	New Philadelphia
John Nicholas Patchen, B.A.....	Robins
Mildred Ruth Ravenstine, A.B. (Mount Union College).....	Canton
Loma Theresa Richardson, A.B. (West Virginia State College).....	MacDonald, W. Va.
Bernard Jerome Rose, B.S. in Edu.....	Cleveland Heights
Cyrus Turner Russell, B.S. in Edu. (Wilberforce University).....	Wilberforce
Edward Harold Scofield, B.Sc. in Edu.....	Columbus
Clifford Elza Scott, B.A.....	Cambridge
Olive Henrietta Scott, B.Sc. in Edu.....	Columbus
Charles Walter Secoy, Jr., B.A. (Ohio Wesleyan University).....	Bellevue
Elwood Wesley Senderling, B.S. in Edu. (Temple University).....	Philadelphia, Pa.
Annie Bell Sibley, A.B. (Western State Teachers College).....	Tonia, Mich.
Cecil Franklin Siders, A.B. (Ohio University).....	Cincinnati
Elias Wetherholt Sisson, B.A.....	Porter
Laura Belle Smith, B.A.....	Columbus
Douglas Harold Stanton, B.A.....	Columbus
Lynde Charles Steckle, A.B. (Miami University).....	Painesville
Margaret Pauline Steenrod, B.Fine Arts.....	Maplewood
Frances Catherine Stinebring, B.S. in Edu. (Kent State College).....	Elyria
Norman McKinney Taylor, B.Sc. in Edu.....	Columbus
Irwin Norman Ulevitch, B.A. (Western Reserve University).....	Cleveland
Richard Karl Van Deusen, B.A. (Ohio Wesleyan University).....	Lorain
Elizabeth Cleland Wagner, B.A.....	Carroll
Harry Leighton Zulauf, B.Sc. in Edu.....	Columbus
(Sixty-seven candidates)	

MASTER OF BUSINESS ADMINISTRATION

George Clarence Hindall, A.B. (Ohio Northern University).....	Ada
Theodore Mahaffey, B.Sc. in Bus. Adm.....	Cleveland
(Two candidates)	

MASTER OF SCIENCE

Ferris Summer Batson, B.S. (Mississippi State College).....	Perkinston, Miss.
Hilda Marie Berglund, B.S. (University of Minnesota).....	Akron
C. Irving Bradford, B.S. in E.E. (Rutgers University).....	Newport, N. J.
John Richard Caldwell, B.S. (University of Akron).....	Akron
John Stein Caldwell, B.Sc. in Agr.....	Circleville
Herbert August Crandell, B.A.....	Columbus
Richard Mumper Cunningham, A.B. (Dartmouth College).....	Springfield
David Herbert Davis, B.E.M.....	Columbus
*Camille Joseph DeLor, A.B. (University of Michigan).....	Sandusky
Cyrile Donaldson, B.S. in M.E. (University of Texas).....	Rochester, N. Y.
Oliver Nelson Fellowes, Jr., B.S. (Mount Union College).....	Alliance
Ellen Kathryn Gloyd, B.Sc. in Edu.....	Worthington
Herbert Morton Jacobs, B.A.....	Cleveland
Robert Garland Kilgore, B.M.E.....	Norwood
John Harold Knapp, D.V.M.....	Lebanon
Charles Enos Knoop, B.Sc. in Agr.....	Wooster
*Luette Helen Kuhlman, B.Sc. in Edu., B.A.....	Toledo
Conrad Barnett Link, B.Sc. in Agr.....	Dunkirk, N. Y.
John Irving Locke, B.S. in Edu. (Wilmington College).....	Wilmington
Frank Glade Loughry, B.S. (Pennsylvania State College).....	Columbus
Esther Dissinger Lynn, B.Sc. in H.E.....	Columbus

* Two degrees.

William Davis Martin, B.S. (Wilberforce University)	Xenia
Luis Felipe Martorell Davila, B.S. in Agr. (University of Porto Rico)	San Juan, P. R.
Herbert Umeki Matsumori, B.Sc. in Edu.	Columbus
Vina Belle McFarland, B.Sc. in H.E.	Amanda
Carroll Kirkman Mingle, D.V.M.	Columbus
Masura Nakayama, A.B. (Leland Stanford University)	Tokyo, Japan
Roy Elwyn Nichols, B.V.Sc. (University of Toronto)	Utica, N. Y.
Orpha Glenn Pettijohn, B.Sc. in Agr.	Sardinia
Herbert John Rath, B.S. (Michigan State College)	Columbus
Alexander Redniss, B.S. in Ch.E. (University of Michigan)	Youngstown
Winifred Ruth Reynolds, B.Sc. in H.E.	Columbus
James Merritt Ruckman, B.S. in Ch.E. (Ohio Northern University); M.Met.E.	LaRue
Edward Martin Schoenborn, Jr., B.Ch.E.	Columbus
*Maurice Vernon Sheets, B.A.	Columbus
Kenneth Frost Smith, B.Sc. in Agr., D.V.M.	Columbus
Joseph George Svehla, B.E.E., B.M.E.	Columbus
Griffen Edward Terry, B.Cer.E.	Columbus
Hyman Hirsch Weinberg, B.Ch.E.	Columbus
Homer Adolph Wilson, A.B. (Manchester College)	Covington
Volney Colvin Wilson, B.S. (Northwestern University)	Evanston, Ill.

(Forty-one candidates)

PROFESSIONAL DEGREES

COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK

CERAMIC ENGINEER

Harry Dennis Callahan, B.Cer.E., 1919	Magnolia
John Litster Carruthers, B.Cer.E., 1921	Columbus
John Otis Everhart, B.Cer.E., 1928	Columbus
Arthur Theodore Malm, Cer.E., 1908	Worcester, Mass.
Ralph Miller Schory, Cer.E., 1909	Minerva

(Five candidates)

CHEMICAL ENGINEER

Lawrence Edward Stout, A.B. (Depauw University), 1919; M.Sc., 1921; Ph.D., 1923

St. Louis, Mo.

(One candidate)

MECHANICAL ENGINEER

Ray Ellis, B.M.E., 1916	Columbus
John Clifford Reed, B.M.E., 1928	Urbana, Ill.
Charles Porter Roberts, B.M.E., 1920	Columbus
Elwood Glenn Soash, B.M.E., 1929	Belle, W. Va.

(Four candidates)

COLLEGE OF LAW

Acting Dean: CLARENCE DEWEY LAYLIN

JURIS DOCTOR

Charles Clifford Callahan, B.Sc. in Bus. Adm.	Wellston
Carl Craddock Tucker, B.A.	Portsmouth

(Two candidates)

* Two degrees.

BACHELOR OF LAWS

Warren Carmack Armstrong, B.A. (Ohio Wesleyan University)	Columbus
Richard Backus	Columbus
Henry Sparling Ballard, Jr., A.B. (Denison University)	Columbus
Clyde Charles Beery, B.A.	Columbus
John Thomas Calder, B.A.	Martins Ferry
*Nicholas William Catli	Huron
Robert Clifton Coleman	Columbus
Laurence Eugene Degner, B.S. in Econ. (University of Pennsylvania)	Columbus
George Eaton, A.B. (Harvard University)	Urbana
Wilmer Chester Egelhoff, B.Sc. in Bus. Adm.	Columbus
Jack Griffith Evans, B.Sc. in Bus. Adm.	Columbus
Walter Bruce Ferguson	Dayton
Harry Carlton Fink	Toledo
Edward Friedlob	Dayton
Harry Gutterman, B.A.	Cleveland
Glen Max Haas, B.Sc. in Bus. Adm.	Kellys Island
Martin Lester Hanna, B.Sc. in Bus. Adm.	Bowling Green
John Theodore Haswell, B.A.	Circleville
Howard Joseph Heilman, B.A.	Columbus
Eugenia Pearle Herold, A.B. (University of Southern California)	Hookersville, W. Va.
Martin Edward Hoeffel	Napoleon
Hugh Wesley Kaylor	Kenton
Marvyn Lachinsky, B.A.	Fremont
Charles Edward LaPorte, B.A. (Ohio Wesleyan University)	Columbus
Albert Arthur Levin	Lorain
Arnold Sampson Levin	Lorain
Harry Jack London	Cleveland
Richard Henry McCracken, B.A.	Columbus
Guilbert Wooster Martin, Ph.B. (Kenyon College)	Norwalk
Albert Guy Mayer, B.A.	Dayton
William Harold McClellan	Mansfield
Donald Saylor McNamara	Upper Sandusky
Frederick Andrew Murray, B.A.	Union Furnace
George Cunningham Neal	Akron
Clarence Spencer Prosser	Ripley, N. Y.
Morton Young Reeves, B.A.	Columbus
*Louis Morton Rosenthal	Columbus
Clarence Charles Ruffin, B.Sc. in Bus. Adm.	Louisville
Charles Edward Ryan	Crestline
Stanley Richard Scholz, B.Sc. in Bus. Adm.	Lorain
Edward Lyman Snider	Circleville
Thomas Barbee Talbot, Jr., A.B. (Centre College)	Dayton
Webb Dimick Tomb	Tiffin
Horace William Troop, A.B. (Otterbein College); M.A.	Dayton
John Thomas Walker	St. Clairsville
Stanley Vernon Wilder, B.A. (Wittenberg College)	Niles
Robert Lee Wills, B.A.	Waverly
Richard Adam Woolery, B.Sc. in Bus. Adm.	Dayton
Frank Ernest Zimmer, B.A.	Urbana

(Forty-nine candidates)

COLLEGE OF MEDICINE

Acting Dean: VERNE ADAMS DODD

DOCTOR OF MEDICINE--WITH HONORS

Hubert Menno Amstutz, B.A., B.Sc. in Edu., M.A.	Pandora
Charles Ray Burbacher, B.A.	Columbus
Mel Addison Davis, B.A.	Columbus
*Camille Joseph DeLor, A.B. (University of Michigan)	Sandusky
*Lena Stafford Enright, B.A.	Findlay
George Edward Gardner	Lancaster

* Two degrees.

William McMaster Garrett, B.S. (Muskingum College).....	Glencoe
Arvine Wilson Harrold, B.A.....	Fostoria
Paul Irwin Hoxworth, B.A.....	Columbus
Gilman Deering Kirk, B.S. (Yale University).....	Orient
Robert Chester Kirk, B.S. (Yale University).....	Orient
William Marshall Mewborn.....	Toledo
Reubin Robert Pliskin, B.Sc. (University of Akron) ; M.A.....	Akron
Clark Poston Pritchett, B.A.....	Columbus
Marion Russell Shafer, B.A.....	Columbus
Clifford Clinton Sheldon, B.A.....	Fostoria
Jack Widrich, B.Sc.....	Cleveland

(Seventeen candidates)

DOCTOR OF MEDICINE

Chester Hart Allen, B.A.....	Portsmouth
Willard B. Andrus, B.A.....	Columbus
John Bernard Berkebile, B.S. (Manchester College).....	Jewell
Edgar Keene Black, B.Sc.....	Columbus
Arthur Alexander Brown, B.Sc.....	Kingston
*Donald Hickman Bullock.....	Columbus
Daniel Sommer Bunner, B.A.....	Columbus
Dalvin Roosevelt Cahill.....	Steubenville
Louis Paul Cassidy, B.A.....	Dresden
Everett Marquis Chalker, B.Sc.....	Garrettsville
Jacob Cohen, B.A., M.A.....	Steubenville
Thomas Raymond Cunningham, B.Sc.....	Findlay
William Davis, B.Sc. in Phar.....	Cleveland
Elmer David Engelman, B.A. (Western Reserve University).....	Cleveland Heights
Merrill Wesley Everhart.....	Chillicothe
John George Fedef, B.A.....	Galloway
Joe Alonzo Fergus.....	Sidney
Joseph Lewis Friedman, B.A., M.A.....	Cleveland
Robert Thistlethwaite Gillis, B.A.....	Martins Ferry
Reuben Adam Glazer.....	Cleveland
Harry Robert Grau, B.Sc.....	Cleveland
Walter Kimpton Gregg, B.Sc.....	Dayton
Frank Abram Hale, B.S. (West Virginia University).....	Mt. Healthy
Joe Frederick Hattenbach, A.B. (Oberlin College).....	Lakewood
John Ellsworth Hendricks.....	Newark
Joseph Mathey Hertzberg, A.B. (University of Toledo).....	Toledo
Luther William High, A.B. (Capital University).....	New Washington
Fred Johnston Hunter, Jr., B.A. (Ohio Wesleyan University) ; M.Sc.....	Marion
Waudell William Hunter, B.A.....	Yellow Springs
Elmer Martin Kilpatrick, B.A.....	Payne
Joseph William Kohn, B.A., M.Sc.....	Cleveland
Thomas Victor Kolb, B.A. (Ohio Wesleyan University).....	Columbus
*Luette Helen Kuhlman, B.Sc. in Edu., B.A.....	Toledo
Leo Morton Levin, B.A. (Western Reserve University).....	Cleveland
Harold Alvin Lotzoff, B.A.....	Lima
Alexander Stanislaus Mack, B.A.....	Boston
Carl Mankinen, B.Sc.....	Ashtabula
Thurman Francis McAllister, B.A.....	Birds Run
George Lincoln McCullough.....	Middleport
Francis Elmer Merritt, B.Sc.....	Garrettsville
Malcolm Elmer Miller, A.B. (Ashland College).....	Ashland
Edward Lee Montgomery, B.A.....	Xenia
Morris Pipp Montlack, B.Sc.....	Cleveland
John Aloysius Murphy, Jr., B.A.....	East Liverpool
Frank Marion Natherson, B.A. (Western Reserve University).....	Parma
Lloyd Walter Reynolds, B.A.....	Akron
†Iona Winters Riebel, B.A.....	Columbus

* Two degrees.

†Died, September, 1933.

John Alan Riebel, B.A.	Columbus
George Ray Roberts, B.A.	Columbus
Ralph Sanford Rosewater, B.A. (Western Reserve University)	Cleveland Heights
Theodore David Sawyer, A.B. (Ohio University)	New Holland
Allan Lewis Shaffer, B.A. (Western Reserve University); M.Sc.	Cleveland
*Lee Sharp	Cadiz
*Maurice Vernon Sheets, B.A.	Columbus
Lewis Samuel Shensa, B.A.	Youngstown
*John Peter Smarella	Steubenville
Earl Esau Smith, B.A.	Cleveland
Louis Theodore Spohr, B.A.	Columbus
*John Brainard Squires	Cincinnati
Myron Harry Steinberg, B.A.	Youngstown
Alfred Evan Stout, B.A.	Dayton
Cyril Thomas Surington, B.A.	Cleveland
William Tandy, B.S. (University of Chicago)	Dayton
*Russell Edward Taylor	Sandusky
Charles Hollington Thompson, B.A. (Ohio Wesleyan University)	West Mansfield
Donald Marion Traul, B.S. (University of Akron)	Akron
*Joseph Daniel Vande Velde	Cleveland
Nancy Safford Whitticar, B.Sc.	New Philadelphia
Benjamin Franklin Wills, B.A.	Wellston
Robert Herschel Zeis, B.Sc. (University of Notre Dame)	Kenton

(Seventy candidates)

COLLEGE OF DENTISTRY

Dean: HARRY M. SEMANS

DOCTOR OF DENTAL SURGERY

Charles Francis Arbaugh	Martins Ferry
Meyer M. Bailin	Cleveland
Joe Victor Benis	Cleveland
Edwin George Benson	Toledo
Everett George Blasberg, B.A.	Columbus
Samuel Cartin	Toledo
Edward Samuel Chapman, B.A.	Cincinnati
*August Frank Close	Sandusky
William Kenneth Close	Columbus
Jacques Robert Octave Foure, B.Sc.	Columbus
Herman Gross	Paterson, N. J.
Roland Paul Hahn	Cleveland
Wesley Barker Hargraves	Akron
William Momburg Johannes	Columbus
Paul Ellsworth Jones	Dayton
John Henry Kaiser, B.Sc. in Phar.	Akron
Andrew Kaufner	Cleveland
Glenn Edgar Keeler	Bellevue
Edgar Davis Kelley	Columbus
Harold Edward Kilpatrick	Payne
Michael Kowal	Rochester, N. Y.
Raymond Francis Laybourne	Springfield
Walter David Lett	Kane, Pa.
George Donald Lose	Massillon
Noah Columbus McNeil, Jr.	Columbus
John William Poffenberger	Urbana
George William Proshok	Toledo
Melvin Schultz	Dayton
Thomas Benson Sherman	Columbus
*William Charles Sherwin	Cleveland
Edward Hugh Sprague	Bridgeport
Paul William Taylor	Oxford

* Two degrees.

Fay Elmer Turrittin.....	Evansport
Paul Joseph Volkert.....	Dayton
Max Wishengrad	New York, N. Y.
Edward Alex Zajkowski, B.Sc.....	Maspeth, N. Y.

(Thirty-six candidates)

CANDIDATES FOR MORE THAN ONE DEGREE

Jean Elizabeth Blake.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Robert Fulton Brown.....	Amanda
Bachelor of Arts	
Master of Arts	
Donald Hickman Bullock.....	Columbus
Bachelor of Science	
Doctor of Medicine	
Nicholas William Catrì.....	Huron
Bachelor of Arts	
Bachelor of Laws	
August Frank Close.....	Sandusky
Bachelor of Arts	
Doctor of Dental Surgery	
Shirley Alma Courtright.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Mary Cecil Crater.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Mary Elizabeth Crowley.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Camille Joseph DeLor, A.B. (University of Michigan).....	Sandusky
Master of Science	
Doctor of Medicine	
Elizabeth Lucile Dixon.....	Worthington
Bachelor of Arts	
Bachelor of Science in Education	
Audrey Catherine Earl.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Lena Stafford Enright, B.A.	Findlay
Master of Arts	
Doctor of Medicine	
Mary Anna Eswine.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Frank Kinney Harman.....	Felicity
Bachelor of Arts	
Bachelor of Science in Education	
Lester W. Kale.....	Cleveland
Bachelor of Industrial Engineering	
Bachelor of Mechanical Engineering	
Lurette Helen Kuhlman, B.Sc. in Edu., B.A.....	Toledo
Master of Science	
Doctor of Medicine	
Henry Harrison Mabry.....	Medina
Bachelor of Science in Agriculture	
Doctor of Veterinary Medicine	
Robert Stowers McCleery.....	Columbus
Bachelor of Arts	
Master of Arts	

Louis Morton Rosenthal.....	Columbus
Bachelor of Arts	
Bachelor of Laws	
Lee Sharp	Cadiz
Bachelor of Arts	
Doctor of Medicine	
Maurice Vernon Sheets, B.A.....	Columbus
Master of Science	
Doctor of Medicine	
William Charles Sherwin.....	Cleveland
Bachelor of Arts	
Doctor of Dental Surgery	
John Peter Smarella.....	Steubenville
Bachelor of Arts	
Doctor of Medicine	
Robert Warren Smith.....	Columbus
Bachelor of Electrical Engineering	
Bachelor of Mechanical Engineering	
Esther Eleanor Snell.....	Greenville
Bachelor of Science in Education	
Certificate of Graduate Nurse	
John Brainard Squires.....	Cincinnati
Bachelor of Science	
Doctor of Medicine	
Russell Edward Taylor.....	Sandusky
Bachelor of Arts	
Doctor of Medicine	
Ruth Jean Taylor.....	North Lewisburg
Bachelor of Arts	
Bachelor of Science in Education	
Joseph Daniel Vande Velde.....	Cleveland
Bachelor of Science	
Doctor of Medicine	
Frances Elizabeth Ward.....	Columbus
Bachelor of Science in Education	
Certificate of Graduate Nurse	

(Thirty candidates)

BACCALAUREATE DEGREES

COLLEGE OF AGRICULTURE

Dean: JOHN F. CUNNINGHAM

BACHELOR OF SCIENCE
IN AGRICULTURE

Denver Carnes Alspach.....	Lancaster
Arthur Russell Augenstein.....	Waldo
Roy Edward Battles.....	Chesterland
Harold Clayton Bernard.....	Jeromesville
Joseph Peter Biebel.....	Cleveland
Clifford Dale Black.....	Mt. Vernon
Howard Remley Bohl.....	Lebanon
Forest Arthur Brown.....	Circleville
Harold Ivan Burkey.....	Baltic
Roy Udell Clay.....	Piedmont
David Elliott Colville.....	Martinsburg
Joseph Vastine Colville.....	Martinsburg
Charles Downing Converse.....	Amlin
Vaughn Baker Crites.....	Stoutsville
Lawrence Wendell Daniels.....	Jackson

Helen Louise Dorsey.....	Marion
Phil Eckert	Dublin
Walter William Engle.....	Columbus
Pearl Lester Fogle.....	Columbus
Frederick William Gehret.....	Bucyrus
Paul Richard Graber.....	Justus
Elden Ray Groves.....	Bethesda
Hillis Harlin Hall.....	Ald
Ernest Paul Heiby.....	Fort Recovery
Lorenzo Bright Henretty.....	Old Fort
Henry Karl Holzhauer.....	Elyria
Burdette Hunter	Midland
Lewis Ambrose Johnson, Jr.....	Van Wert
Willard James Knapp.....	Castalia
Robert Allan Lane.....	Fredericktown
*Henry Harrison Marby.....	Medina
William Oliver Mace.....	New Holland
Maynard Franklin McFadden.....	Medina
William Backman McKinney.....	New Rochelle, N. Y.
Clarence William McKnight.....	Marietta
Kenneth Eugene Mercer.....	Hillsboro
John Roller Moody.....	Groveport
Robert Charles Murphy.....	Urbana
Carl Edward Norris.....	Coshocton
Kenneth Harold Oring.....	West Dover
Howard William Parkinson.....	Pataskala
Donald Howard Rank.....	Gnadenhutten
Ernest Andrew Renner.....	Hilliards
Franklin Adrian Rohmshe.....	Wapakoneta
Walter Vincent Rupert.....	Columbiana
Wayne Edward Schober.....	Millbury
Herbert Crow Secrest.....	Columbus
Edward John Shaffer.....	Germantown
William Martin Smith.....	Norwalk
Guy Eugene Springer.....	Jeromesville
William Gleason Taylor.....	Dresden
Robert Lee Warren.....	Delaware
Seymour Stanley Woodin.....	Medina

(Fifty-four candidates)

BACHELOR OF SCIENCE IN HOME ECONOMICS

Margaret Jane Achey.....	Columbus
Dorothy A. Constant.....	Felicity
Lois Margaret Crooks.....	Shiloh
Margryt Lois Crouch.....	Cleveland
Eileen Dhume	Columbus
Esther Ellen Emler.....	Coshocton
Mildred Elizabeth Evans.....	Prospect
Elizabeth Jackson Fickel.....	Westerville
Kathryn May Fisher.....	Columbus
Helen Alice Fivaz.....	Sunbury
Beatrice Pearl Harmon.....	Morral
Priscilla Hengst	Lancaster
Jane Hoffman	Columbus
Mary Bryan Hunter.....	Zanesville
Ethelynn James	Hamilton
Margaret Fay Kirkpatrick.....	Columbus
Frances Mae Kraner.....	Caledonia
Alice Louise Kuechler.....	Columbus
Libbie Miriam Levin.....	Wheeling, W. Va.
Florence Dee Luper.....	Columbus

* Two degrees.

Eloise Caldwell Lyman.....	Columbus
Margaret Vivian McFarland.....	Amanda
Margaret Oreana Newcomb.....	Burton
Violet Mary Ohl.....	Sycamore
Velma Margaret Paisley.....	New Athens
Josephine Lane Patton.....	Berea
Catherine Rebecca Postle.....	Camp Chase
Mary Lois Richardson.....	Middletown
Evelyn Pearl Rugg.....	Wellington
Pauline Schofield.....	Glensford
Mary Simons.....	Richwood
Frances Lucille Smith.....	Worthington
Francelia Mary Streater.....	Garrettsville
Creta Mae Swinehart.....	Thornville
Beatrice Binder Townsend.....	Columbus
Florence Beatrice Tyler.....	Pataskala
Thelma Lavonne Vance.....	Columbus
Phyllis Hedges Vaughan.....	Ashville
Mabel Helen Vick.....	Columbus
Laura Whetstone West, A.B. (Otterbein College).....	Columbus
Mary Evalena Wheeler.....	Barnesville
Mary Della Young.....	Bremen

(Forty-two candidates)

COLLEGE OF ARTS AND SCIENCES

Dean: WALTER J. SHEPARD

BACHELOR OF ARTS—WITH HONORS

Eloise Bame (cum laude).....	Carey
*Robert Fulton Brown (cum laude and with High Distinction in Chemistry).....	Amanda
Virginia Lipscomb Cox (cum laude).....	Columbus
Dorothy Marie Dicken (cum laude).....	Oak Harbor
William James East (cum laude).....	Toledo
Ada Elizabeth Eisele (cum laude).....	Columbus
Donald Robert Endres (with Distinction in Chemistry).....	Grove City
Robert Bartlett Ewell (cum laude).....	Toledo
Jerome Arthur Gans (cum laude).....	Alliance
Perry Tolle Garver (cum laude).....	Omaha, Neb.
Marian Annette Guild (cum laude).....	Columbus
Thelma Amalia Hammerstein (cum laude).....	Columbus
*Frank Kinney Harman (with High Distinction in Physics).....	Felicity
Marice Ann Kersey, B.Sc. in Edu. (cum laude).....	Columbus
Lawrence Eugene Laybourne, Jr. (cum laude).....	Springfield
Jeanne Levine (cum laude and with Distinction in Sociology).....	Columbus
John Hendrix Machledt (cum laude).....	Columbus
Frances Virginia Maddox (cum laude).....	Columbus
*Robert Stowers McCleery (summa cum laude and with High Distinction in Anatomy).....	Columbus
Dwight Hoyt Morehead (cum laude).....	Columbus
William Donald Murray (with Distinction in Zoology and Entomology).....	Columbus
Robert John Reid (cum laude and with Distinction in Chemistry).....	Galion
Gertrude Evangeline Scott (cum laude and with Distinction in French).....	Columbus
Aaron Samuel Weinstein (cum laude).....	Hartford, Conn.
Carlos Rugg Weiss (with Distinction in Economics).....	Batavia, N. Y.
Esther Christin Wolf (cum laude).....	Bellevue
John Sohn Wolfe (cum laude).....	Dayton

(Twenty-seven candidates)

BACHELOR OF ARTS

Orville M. Anderson.....	Akron
Dorothy May Armstrong.....	Terry Haute, Ind.
Frederick Marquis Baltzell.....	Columbus
Charles Woodrow Barch.....	Duval

Richard Llewellyn Bissell.....	Bedford
Martha Ellen Black.....	Columbus
*Jean Elizabeth Blake.....	Columbus
Sarah Katherine Blake.....	Columbus
William Trenle Blake.....	East Liverpool
Helen Elizabeth Bown.....	Coshocton
Margaret Ware Brennecke.....	Gnadenhuetten
Elizabeth Mitchell Burrage.....	Cleveland
James Martin Byers, Jr.....	South Solon
George Warren Campbell.....	Columbus
Dominic Peter Caravona.....	Cleveland
Marion Alexander Cassell.....	Oak Hill
*Nicholas William Catri.....	Huron
Charles St. John Chubb, IV.....	Columbus
*August Frank Close.....	Sandusky
*Shirley Alma Courtright.....	Columbus
*Mary Cecil Crater.....	Columbus
Suzanne Cresap.....	Columbus
William Edward Crew.....	Cleveland
*Mary Elizabeth Crowley.....	Columbus
Richard Dewitt Danford.....	Bellaire
Ruth Pius Daniels.....	Columbus
Charles Joseph Deishley.....	Columbus
Jason Drexel Dennis.....	Minerva
Robert Francis Dickey.....	Columbus
*Elizabeth Lucile Dixon.....	Worthington
John Philip Doelker.....	Columbus
John Ward Doering.....	Martins Ferry
John Joseph Doyle.....	Jersey City, N. J.
Edwin John Drewes.....	Napoleon
John Lambert Dum.....	Amanda
Joseph Edward Duty.....	Wellsville
*Audrey Catherine Earl.....	Columbus
Ruth Helen Eddy.....	Akron
*Mary Anna Eswine.....	Columbus
Eleanor Evans.....	Van Wert
Jean Evans.....	Youngstown
John Wendel Eysenbach.....	Lima
Robert Joseph Farley.....	Columbus
Robert C. Feingold.....	Warren
Bertrum Irwin Firestone.....	Warren
Jerome Fisher.....	Cleveland
Lawrence Allen Fisher.....	New Rochelle, N. Y.
Robert Lewis Frazier.....	New Philadelphia
Mary Ellen Funk.....	Columbus
Nellie Kathleen Garrison.....	Columbus
Arthur David Giangiacomo.....	St. Clairsville
Sidney Gillman.....	Minneapolis, Minn.
Edward Everett Glasser.....	Dorchester, Mass.
Paul Edwin Grimm.....	Columbus
Anne Gayle Grundstein.....	Cleveland
Louis Franklin Gump.....	Columbus
John Louis Gushman.....	Lima
Pearl Fletcher Hahn.....	Frankfort
William Burt Harris.....	Columbus
James Robert Hay.....	Columbus
Robert Gail Hendershot.....	East Liverpool
Josiah Thompson Herbert, Jr.....	Columbus
Claudia Mary Hills.....	Poughkeepsie, N. Y.
Harriet Hitchcock.....	Columbus
Mary Earline Holland.....	Cleveland
Donald Joseph Hollingsworth.....	Zanesville
William Leo Hollingsworth.....	Zanesville

* Two degrees.

Robert Horowitz	Jersey City, N. J.
George Kenneth Hughes	Vanatta
Richard Morris Humphrey	Columbus
Florence Martha Jaynes	Lakewood
Adelaide Rideout Johnson, B.Sc. in Edu.	Hudson
Frank Homer Johnson	Cambridge
Robert Gordon Jones	Columbus
Joseph David Katzman	Utica, N. Y.
Robert Platte Keiser	Miamisburg
John William Kerrigan	St. Louisville
Hazel Ruth Kile	Kileville
James Forney Kirk	Canton
Judson Carnes Kistler	Carroll
Solomon Klatman	Youngstown
Marlo Hartley Klingel	Cardington
Harlin Gill Knierim	Columbus
Benjamin Robert Koogler	Dayton
Frances Leo Lally	Columbus
Maurice Landy	Cleveland
William Hunter Lane	Ashville
Bernard Ray Lauer	Waldo
Charlotte Lee Laughlin	Lima
John Wesley Laymaster	Marysville
Russell Earl Leasure	Zanesville
Elizabeth Mary Webb Lehrer	Columbus
Kenneth Ray Lennington	Columbus
Willis Milburn Losh	Foster
Virginia Elizabeth Maligan	Columbus
Phillip Tracy Marshall	Cleveland
Eloise Elaine Martin	Portsmouth
Sylvius Ralph Mauriello	Newark, N. J.
Peter Maximuk	Waterford, N. Y.
Harriet Elizabeth McClure	Columbus
Janet Elizabeth McConagha	Columbus
James Hugh McCreary	Columbus
Alexander Miller Meyer	Pittsburgh, Pa.
Edwin Lawson Mitchell	Columbus
Glenn Emerson Mitchell	Columbus
Arnold Herman Monash	Detroit, Mich.
Mary Gertrude Morrow	Shelby
Pauline Miller Newcomb	Columbus
Josephine Martha Olmstead	Columbus
William John O'Neill	Columbus
Louise Marion Petch	North Tonawanda, N. Y.
Doris Ruth Preis	Norwalk
Howard Jamison Raabe	Delphos
Pearl Iona Reed	Urbana
Dorothea Louise Richards	Columbus
Rush Rodger Richison, Jr.	Springfield
Leura Margaret Riedel	Findlay
Lenore Evelyn Rimer	Columbus
Hazel Deane Rittenhouse	Cadiz
Helen Mae Rittenhouse	Cadiz
Radeliffe Franklin Robinson	Columbus
Oscar Julius Rosen	Cleveland
*Louis Morton Rosenthal	Columbus
Melvin David Ross	Columbus
Edward Saul Rubinow	Newark, N. J.
Edward James Ruzzo	Marion
Carl Arthur Salomon	New York, N. Y.
Alfred Santangelo	Youngstown
Willda Serena Sarver	Sidney
Julius Schlezinger	Columbus
William Louis Schmidt	Columbus

Sol Scholnik	Canton
John Rinkes Seesholtz	Canton
Virginia Hood Selby	Warren
Oscar Leo Seybold	Mansfield
Philip Nathaniel Shapiro	Jersey City, N. J.
*Lee Sharp	Cadiz
Joseph Holbrook Shepard	Columbus
*William Charles Sherwin	Cleveland
Elizabeth Bernice Shockley, B.Sc. in Edu.	Columbus
Mary Evelyn Shoemaker	Columbus
James Robert Shutts	Youngstown
George Silverman	Brooklyn, N. Y.
David Henry Singer	Detroit, Mich.
*John Peter Smarrella	Steubenville
Hadley Waldon Smith	Columbus
Mildred Nelle Smith	Columbus
Steward Herbert Smith	Columbus
Fred Francis Somma	Brooklyn, N. Y.
Harold Soreff	Lawrence, Mass.
Stanford Searle Speaks	Columbus
Edmund Lee Spicer	Columbus
Gwyn Harrison Start	Toledo
Cornelia Becken Stein	Toledo
Rachel Florence Stillman	Columbus
Robert Ward Summers	Columbus
*Russell Edward Taylor	Sandusky
*Ruth Jean Taylor	North Lewisburg
Mary Thompson	Columbus
Alan Clinton Tracewell	Columbus
Robert Earl Traul	Middleburg
Isaac Everett Treece	Arlington
Robert Arner Tucker	Columbus
David Anthony Tutrone	Freeport, N. Y.
Maxine Elois Ulery	Columbus
Lewis Christopher Warden	Newark
Harry Merwyn Weaver	Lancaster
Joe William Webster	Quaker City
Marion Weil	Atlantic City, N. J.
Charles Whitman	Chicago, Ill.
Hall Skaer Wiedemer	Wadsworth
Russell Lee Roy Wiessinger	Sidney
Dorothy May Williams	Dayton
Ira Bertram Williams	North Canton
Frances Jacoby Wilson	Yellow Springs
William Thomas Withgott	Mt. Vernon
Alvin Clair Wolfe	Norwalk
Peter Kimball Wolfe	Dayton
James C. Woodard	Columbus
Elizabeth Isabelle Workman	Mt. Vernon
Linus Anthony Zink	West Carrollton

(One hundred and eighty-one candidates)

BACHELOR OF SCIENCE

*Donald Hickman Bullock	Columbus
*John Brainard Squires	Cincinnati
*Joseph Daniel Vande Velde	Cleveland

(Three candidates)

* Two degrees.

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

BACHELOR OF SCIENCE

IN BUSINESS ADMINISTRATION—WITH HONORS

Jane Isabelle Armstrong (with Distinction in Marketing)	Columbus
James Ray McCoy (with Honors and with Distinction in Accounting)	Cambridge
Edward Anderson Pagels (with Honors and with Distinction in Accounting)	Columbus
(Three candidates)	

BACHELOR OF SCIENCE

IN SOCIAL ADMINISTRATION—WITH HONORS

Marion Amy Barnebey (with Honors)	Columbus
(One candidate)	

BACHELOR OF SCIENCE

IN BUSINESS ADMINISTRATION

Raymond Joseph Alter	Fort Wayne, Ind.
Edward William Armbruster	Columbus
Harry Edward Axelson	Youngstown
Mabel Maria Balbach	Springfield
Wade Delno Bash	Utica
Frederick Henry Beck	Holland
Donald Jackson Bennett	Columbus
Arthur Leonard Bisbee, Jr.	Jenkintown, Pa.
Robert Mason Blair	Girard
Frederick Henry Bokop	Defiance
William Allen Bond	St. Clairsville
Wilson Franklin Boomershine	Tiffin
Edwin Alan Branson	Wellington
Felix Edward Brawer	Paterson, N. J.
Ted Miller Brindle	Ashland
Herbert Vickerman Borwnlee	Pittsburgh, Pa.
George Walter Buttitta	Youngstown
Lorne Palmer Campbell	Painesville
Charles Thurman Carpenter	Mt. Vernon
Roger Lewis Chaney	Fairport Harbor
Frances Margaret Chapman	Columbus
Arthur Curfman Clark	Columbus
Homer Granville Clark	Ashtabula
Leonard Frederick Clements	Farmington, N. H.
Frederick Brown Conrad	Wooster
Dorothy Margarette Counter	Sylvania
Carl Frank Cramer	Dayton
Alfred Leroy Crockett	New Haven, Conn.
Peter Joseph Crosetti	Bellaire
Edward Coyle Danford	Caldwell
Martha Moreland Davies	Pittsburgh, Pa.
John Roswell Denune	Columbus
Catherine Elizabeth Dolby	Columbus
Michael Frank Dolega	Bridgeport, Conn.
Alice Gertrude Dysart	Columbus
Claude Bert Ebner	Lima
Harry Joseph Epstein	Brooklyn, N. Y.
John Robert Evans	Columbus
Andrew Allen Fela	Akron
Lawrence Kenneth Fish	Cleveland Heights
Michael Roberts Forzano	East Liverpool
Virginia Anne Foster	Youngstown
Clair Ervin Fultz	Jeffersonville
Allen Springer Gabriel	Columbus
Raymond Marshall Gaib	Columbus

Frederick Vowles Gantt.....	Cleveland
Cletus Edward Gardner.....	Howard
Louis Wharton Gehring.....	Columbus
Louis Greenblatt	Massena, N. Y.
James C. Blaine Handley.....	Eaton
Day Hogue	Columbus
Harold Winston Howe.....	Wilmington
Floride Lindley Hyatt.....	Columbus
Kenneth Lee James.....	Youngstown
Robert Alexander Jennings.....	Piqua
Philip Lucas Johnson.....	Hudson
Eugene Verne Johnston.....	Sebring
Carleton Allen Jones, Jr.....	Bristol, Va.
Edward Stanley Jones.....	Columbus
Arthur Katz	Cleveland
Fred Orin Kelly.....	Columbus
Howard Arthur Kent.....	Columbus
Guy Wilbur Kramer.....	Columbus
George Hegner Kuipers.....	Sewickley, Pa.
Amanda Alleen Lanthorne.....	Columbus
Edwin Charles Larry, Jr.....	Rochester, N. Y.
Eleanor Curtis Laughlin.....	Columbus
Harold Ziskind Levy.....	Buffalo, N. Y.
William Sutherland Lindsay, Jr.....	Scotch Plains, N. J.
Lawrence Irving Long	Columbus
Marden Long	Centerburg
William David Long.....	Convey
Esther Mildred Lotz.....	Cleveland
Ruth Elizabeth Lotz	Cleveland
William Meade Mark	Westerville
Fred Paul Mastriani.....	Poland
Robert Erman McCready.....	Mansfield
Dwight Everett McLean.....	Magnolia
Ellen Wiley McMurray.....	Columbus
Janis Hope Millar.....	Bucyrus
George Rolla Miller.....	Columbus
Ted George Miller.....	Toledo
Walter Lee Miller.....	Columbus
Norman Gilbert Moody.....	Columbus
Charles Walter Nutt.....	Akron
Robert Burr Pelton.....	Bloomdale
Joseph Cyril Pillion.....	Columbus
Ruth Plaine	Newark, N. J.
Leon Joseph Pollak.....	Cincinnati
Kenneth Newton Probasco.....	Mt. Victory
Edward Van Rawn, Jr.....	Huntington, W. Va.
Paul Oliver Redlin.....	Hamilton
Theodore Regenstreich	Youngstown
Fenton James Reighley.....	Columbus
Walter Carl Rensch.....	Columbus
Anna Marie Ridenour.....	Columbus
Kenneth Melvin Root.....	Union City, Pa.
William Harold Rose.....	Cleveland
Ray Donald Ruehrmund.....	Marion
James Gordon Bennett Russell.....	Cuyahoga Falls
Ralph Sachs	Wheeling, W. Va.
Carl Frederick Scarbrough.....	Newark
Helen Margaret Schoenborn.....	Columbus
Jean Percival Shute.....	Columbus
James Earl Skidmore.....	Bellefontaine
Ralph Edward Smiley.....	Wellston
Florence McLean Smith.....	New Brighton, Pa.
Harold Hiatt Smith.....	Wilmington
Murray Gustave Snyder.....	Columbus

Harriet Ebert Steele.....	Columbus
Wilson Algernon Stephenson.....	Columbus
Edwin Dawson Stone.....	Coshocton
Harry G. Sulsberger.....	Columbus
Mary Elizabeth Taylor.....	Baltimore
Reginald Willis Testament.....	Columbus
Maurice Topolosky.....	Columbus
Sam Topolosky.....	Columbus
Charles Mitchell Torrance.....	Columbus
Harry Norman Tracy.....	Phillipsburg, N. J.
John Edgar Trout.....	Bellevue
Glenn Willis Walker.....	Bethesda
Trevor Thomas Walton.....	Lakewood
Glen Clay Warman.....	Dayton
Carl Henry Weber.....	Cleveland
Margaret Anna Welch.....	Columbus
Edgar Paul White.....	McCutchenville
Jess Austin White.....	Arkansas City, Ark.
Cecil Laing Williamson.....	Pittsburgh, Pa.
Thomas Carl Williamson.....	Williamson, Pa.
Paul Howard Wolfe.....	Westfield, N. Y.
Bernard Bernard Wolson.....	Toledo
John Weller Wuichet, Jr.....	Columbus
Charles Bertram Yardley.....	Columbus
Emily Roberta Youmans.....	Ironton
George Killworth Young.....	Dayton
Wesley Junior Zaugg.....	Wooster

(One hundred and thirty-six candidates)

BACHELOR OF SCIENCE
IN JOURNALISM

Edwin Miles Allen.....	Portville, N. Y.
Frances Harriet Ansehl.....	Pittsburgh, Pa.
Laurence Holland Bartlett.....	Painesville
Charlotte Elizabeth Brand.....	Rumford, R. I.
George Kime Browning, Jr.....	Columbus
Lawrence Henry Clark.....	Akron
Elmer Howard Claypoole.....	Wayne, Pa.
Victor A. Elconin.....	Cleveland
Vera Louise Ettinger.....	Youngstown
William Henry Freeman.....	Indianapolis, Ind.
Maurice Lewis Goldstein.....	Cleveland
Robert Grey Holden.....	McComb
Warren Eugene Insley.....	Worthington
Otto Georg Janssen.....	Lakewood
William Wilson Jeckell.....	Youngstown
Maurice Charles Koblenz.....	Cleveland
Jacob James Levine.....	Lakewood
Frank Emerson Mapel.....	Columbus Grove
Philip Alan Meyers.....	Canton
Martin Reynolds Miller.....	Mayfield Heights
Evaline Melissa Mock, B.A. (Ohio Wesleyan University).....	Columbus
James Leslie Morris, Jr.....	Lakewood
Charles William Phillips.....	Newcomerstown
Frederick Henry Posey.....	Columbus
Robert Kenneth Richards.....	Urbana
Robert Maurice Sherwood.....	Columbus
Marvin G. Toll.....	Cleveland

(Twenty-seven candidates)

BACHELOR OF SCIENCE
IN SOCIAL ADMINISTRATION

Helen Louise Beavers.....	Columbus
Violet Laurastine Brown.....	Mansfield
Lois Ramona Callaway.....	Marysville
Dorothy Converse.....	Amlin
Alice Belle Culter.....	Columbus
Helen Burrell Dobbie.....	Fairmont, W. Va.
Priscilla Margaret Dole.....	Lima
Martha Elizabeth Francis.....	Columbus
Sara Elaine Goldberg.....	Cleveland
Virginia McCoy Hicks.....	Columbus
Alice Jeannette Hilty.....	Columbus
Leah Kaplan.....	Columbus
Jean Ernestine Kimball.....	Columbus
Marjorie Ann Kiser.....	Dayton
Benjamin Franklin Knepper.....	Dayton
Ruth Ann Koch.....	Cincinnati
Roslyn Louise Lebensburger.....	Dayton
Harriet Alice Louise Metzger.....	Columbus
Mary Beth Prosser, B.A.....	Columbus
Dora Altmann Siegel.....	Columbus
Florence Marie Smith.....	Lakewood
Elsie Elizabeth Tarcai.....	Cleveland
Maryhelen Voltz.....	Glenmore
Margaret Elizabeth Wesley.....	Columbus
Florence Jane White.....	Lima

(Twenty-five candidates)

COLLEGE OF EDUCATION
Dean: GEORGE FREDERICK ARPS

BACHELOR OF SCIENCE
IN EDUCATION

David Marion Adkins.....	Columbus
Thomas Gilmer Alban.....	Van Wert
Pearl Brechbill Amstutz.....	Columbus
Neal Berry Andregg.....	Basil
George Ward Angell.....	Ilion, N. Y.
Charles Castle Aplas.....	Lima
John Arthur Ark.....	Springfield
Margaret Jane Aschinger.....	Columbus
Madge Candace Bach.....	Belmore
Selma Catherine Barnett.....	Dayton
Helen Elizabeth Barnhart.....	Dayton
Thomas Jay Barrett.....	Kenton
Martha Jane Barthlow.....	Columbus
Gordon Wayne Bartter.....	Columbia Station
Francis Dorothy Bauer.....	Hamersville
Doris Elizabeth Baughman.....	East McKeesport, Pa.
Christine Irene Baumgardner.....	Ashtabula Harbor
Jane Berry.....	Celina
Mary Elizabeth Blackmore.....	Columbus
*Jean Elizabeth Blake.....	Columbus
Julia Virginia Blinn.....	Columbus
William Wallace Bloor.....	Columbus
Lily Fae Blum.....	Cleveland
Carl Joseph Bompiedi.....	Cleveland
Opal Lucile Borrows.....	Columbus
Dorothy Joan Brant.....	Lucasville
Frances Agnes Brennan.....	Columbus

Helen Elizabeth Brewer.....	Ironton
Graham Walter Brollier.....	Mt. Gilead
Mary Jane Brown.....	Columbus
Josephine Amelia Brucker.....	Fletcher
Marie Antoinette Brunetto.....	Piqua
William Porter Bunner.....	Columbus
Martha Ellen Burbacher.....	Columbus
Robert Earl Carson, B.S. in E.E. (Tri-State College).....	East Fultonham
Arretta Mae Carter.....	Columbus
Claire Louise Caudill.....	Morehead, Ky.
Lawrence Boyd Chambers, B.S. (Harvard University).....	Cleveland
Marjorie Louise Clark.....	Columbus
Mary Louise Clements, B.A.....	Columbus
Ellen Louise Clickenger.....	Columbus
Thelma Variah Cobbs.....	Columbus
Ida Leslie Cohen.....	Charleston, W. Va.
Norma Lucille Conard.....	Columbus
Ada Margaret Coon.....	Westerville
Lulu Virginia Cooper.....	Ostrander
*Shirley Alma Courtright.....	Columbus
Raymond Boyd Craig.....	New Holland
*Mary Cecil Crater.....	Columbus
Emma Cockell Craven.....	Columbus
*Mary Elizabeth Crowley.....	Columbus
Alice Irene Csutoros.....	Columbus
Dorothy Claire Danford.....	Alliance
Richard Moore Davidson.....	Bellefontaine
Dorothy Davis.....	Newton Falls
Ruth Elizabeth Davis.....	Columbus
Eleanor Margaret Day.....	Columbus
Gladys Buck Deatrick.....	Columbus
Josephine Cecilia Decker.....	Columbus
Charles Oliver Dewey, B.Arch., B.Arch.E.....	Solon
Margaret Geraldine DeWitt.....	Mansfield
Geneva Marcella Disbro.....	Dayton
*Elizabeth Lucile Dixon.....	Worthington
Ruth Irene Donaldson.....	Continental
Christy Harvey Dunn, B.A.....	Zanesville
Hortensia Grace Dyer.....	Columbus
*Audrey Catherine Earl.....	Columbus
Ruth Emily Edwards.....	Newark
*Mary Anna Eswine.....	Columbus
Benjamin Rees Evans.....	Gallipolis
Eunice Winifred Evans.....	Youngstown
Jeanette Evans.....	Lima
Sarah Anne Favish.....	Bellaire
Eleanor Stockwell Fiedler.....	New Philadelphia
John Augustus Florence.....	Columbus
Marion Waldron Ford.....	Berlin Heights
Caribel Frederick.....	Thurman
Ralph Hedges French.....	Cleveland
Bernice Eugenea Fry.....	Columbus
Dorothy Jane Fuchs.....	Columbus
John Oliver Fugitt.....	Portsmouth
Helen Gail Galloway.....	Columbus
Dorothy Alma Garver.....	Columbus
Herbert Allen Gates, B.A. (The College of Wooster).....	Cleveland
Newell Lauvousier Gates.....	Beallsville
Helen Lucille Gilbert.....	Bellevue
Carolyn May Glover.....	Columbus
Mary Jane Goeke.....	Lima
George L. Goodhue.....	Wheeling, W. Va.
Dana Frederic Gorton.....	Irwin

* Two degrees.

John Carse Grey, B.Sc. in Bus. Adm.	Junction City
Robert Allen Grimm	Columbus
Reuben Everett Groves	Farmingham, Mass.
Clare Ewing Grundman	East Cleveland
Aileen Virginia Guest	Columbus
Virginia Elizabeth Hale	Wilmington
Marjorie Rosalind Hammel	Basil
Ruth Fern Hankins	Columbus
Elizabeth Maxine Hannah	Toledo
Gladys Haring	Roanoke, Va.
*Frank Kinney Harman	Felicity
Mary Jeanne Harrison	Camp Chase
Mary Hartsough	Columbus
Marjorie Louise Hathaway	Bloomville
Jean Gaston Hawkins	Youngstown
Aimee Anna Healey	Columbus
James Robert Heckert	Bucyrus
Paul T. Hiser	Greenfield
Paul Jeremiah Hogan	Wellston
Lois Evelyn Hostetler	Navarre
George Arnold Hughes	Greenville
John Fenton Hummel, B.Sc. in Bus. Adm.	Columbus
Margaret Martin Hunsicker	Circleville
Mary Lou Hunter	Columbus
Paul Christopher Ickes	Black Lick
Marjorie Paula Jackson	Columbus
Grace Geneva Jacobs	Columbus
Norma Johns	Batavia
Arthur Kenneth Johnson	Circleville
Cletis Frederick Johnson	Grove City
Mary Alice Johnson	Columbus
Ruth Carey Johnson, B.A.	Columbus
Calista Read Johnston	Hickman, Ky.
Marjorie Jones	Columbus
Martha Ellen Jones	Hillsboro
Olwen Elizabeth Jones	Columbus
Ruth May Jones	Columbus
Constance Marianne Jorgensen	Cleveland
Dorothy Mae Julian	Columbus
John Robert Kahler, B.A.	Sandusky
Dorothy Fanny Kann	Pittsburgh, Pa.
Leila Anna Barbara Kaufman	Milford Center
Gladys Anita Kennedy	Columbus
Maxine Barnard Kennedy	Columbus
Ann Catherine Kinney	Columbus
Helen Louise Kruse	Columbus
Edith Jeannette Kuechler	Columbus
Mike Milan Kvočka	Steubenville
Dorothy Jene Lamb	Columbus
William Donald Larrick	Columbus
Marjory Lee	Youngstown
Ellis Roy Legg	Lakewood
Anne Bruder Lehoczy	Columbus
Mary Elizabeth Leininger	Bellevue
Stephen Frederick Lewis	Columbus
Esther May Liber	Canton
Donald Lawrence Long	Columbus
Marjorie Alice Loud, A.B. (Mt. Holyoke College)	Methuen, Mass.
Mabel Juanita Love	Clyde
Edith Luper	Columbus
Frank Edward Lutz	Nankin
Eleanor Jane Machetanz	Kenton
James Arthur Madison	Columbus

* Two degrees.

Albert Burton Manola.....	Lakewood
William Brandt Marshall.....	Columbus
Robert Alfred Martin.....	Columbus
Evelyn Margaret McComsey.....	Urbana
Vera Dorothy McCort.....	Waynesburg
Anna Grace McCoy.....	Columbus
Mary Jane McElroy.....	Lockwood
Harriet Blanche McMillan.....	Wilmington
Esther Virginia McNaught.....	Columbus
Gertrude Emma Mendenhall.....	Columbus
Cora Elizabeth Merkel.....	Sandusky
Reata Bissell Merrick.....	Elyria
Bernard Courtney Miller.....	Columbus
Janet Inez Miller.....	Columbus
William Peter Miller, B.A. (The College of Wooster).....	Wellsville
Martha Ann Millikin.....	Columbus
Jane Elizabeth Mills.....	Cincinnati
Martha Pickard Miner.....	Columbus
Dorothy Marie Moore.....	Groveport
Jeanne Moss.....	Columbus
William Charles Murphy.....	Cleveland
Zelma Leanore Nathanson.....	Toledo
Margaret Jean Neff.....	Cleveland
Marie Elizabeth Newby.....	Eaton
Frances Pauline Novick.....	Canton
Thomas George O'Keefe.....	Columbus
Ben Orlove.....	Cleveland
Ellen Eakin Parish.....	Columbus
Beryl Margaret Parrish.....	Gaadenhutzen
Joseph Pataky, Jr.....	Alliance
George Frederick Peggs, B.A.....	Cleveland
Harold Deaton Pence.....	Coshocton
Anna Willetta Pfell.....	Sidney
Mary Louise Pfening.....	Columbus
Frank Blaise Pirrone.....	Cleveland
Robert Henry Poling.....	Columbus
Harold Marr Poole.....	Mingo Junction
Isabelle Alpha Pracht.....	Galloway
Nelle Alene Purdy.....	Cameron, W. Va.
Ruth Virginia Purdy.....	Leipsic
Arneita Fern Rains.....	Columbus
Jean Elizabeth Ramsey.....	Columbus
Carlton Noble Rayl.....	Columbus
Vergene Watkins Rector.....	Columbus
Edna Mae Reese.....	Alexandria
Helen Eleanor Reynolds.....	Salesville
John Ruskyn Richards, B.A.....	Camp Chase
Ruth Josephine Rieber.....	Plain City
Russell Frederick Roberds.....	New Carlisle
Katherine Virginia Roehm.....	Dayton
Margaret Therese Rooney.....	Circleville
Mary Helene Ryan.....	Cleveland
Elma Mary Sage, B.A. (The College of Wooster).....	Marion
Arthur Grant Sanderson, Jr., A.B. (University of California).....	Columbus
Elizabeth Anna Sauvage.....	Pomeroy
Ida Louise Schlafly.....	Columbus
Sidney Sanford Schusterman.....	Cleveland
Lawrence Clark Secrest.....	Westerville
Bernita Lenore Short.....	West Unity
Mary Harrington Short.....	Columbus
Rilla Isabel Smart.....	Columbus
Karl Gerald Smith.....	Attica, N. Y.
Marjorie Grace Tate Smith.....	Lorain
Winifred Hester Smith.....	Cleveland

*Esther Eleanor Snell.....	Greenville
Mary Josephine Stafford, B.A. (Ohio Wesleyan University).....	Marion
Robert Denham Starr.....	Elyria
Melba Mae Stephen.....	Ansonia
Lola Virginia Stephenson.....	Zanesville
Marcella Nevelyn Stevens.....	Columbus
Harry Samuel Stull.....	Columbus
Jane F. Sulzer.....	Columbus
Mary Elizabeth Syler.....	Piqua
*Ruth Jean Taylor.....	North Lewisburg
Wilfred Louis Theis.....	Norwood
Mary Louisa Thomas.....	Columbus
Francis Donald Thompson.....	Niagara Falls, N. Y.
Lois Van Rensselaer Throop.....	Columbus
Delia Emma Thurston.....	Columbus
Irene Charlotte Tobey.....	Roseville
Katherine Ann Tobey.....	Roseville
Mary Louise Torbert.....	Columbus
Darrel Farnsworth Trimmer.....	Columbus
Lela Beatrice Tucker.....	Mansfield
Catherine Jeanette Turvey.....	Columbus
Gertrude Emma Ujhelyi.....	Lorain
Michael Nickolas Vuchinich.....	South West, Pa.
Juanita Louise Wagner.....	Akron
Selwyn Bernard Walter.....	Edon
*Frances Elizabeth Ward.....	Columbus
Jane Frances Ward.....	Columbus
John William Wargo, B.A., M.A.....	Belle Valley
Helen May Washburn.....	Columbus
Kenneth Fred Watson.....	Conneaut
Geraldine Marie Wenk.....	Akron
Richard George West.....	Willard
Wilbur Warne West.....	South Bend, Ind.
Mildred Elizabeth Wilgus.....	Conover
Howell Edward Williams.....	Columbus
Kenneth Lee Williams.....	Round Bottom
Mary Frances Williams.....	Columbus
Irene Elizabeth Wilson.....	Washington C. H.
Robert Edgar Wilson, A.B. (Miami University); M.A.....	Cleveland
Gerald Eugene Wise, A.B. (Wittenberg College).....	Marion
Dorothy Jane Witters.....	Coral Gables, Fla.
Elizabeth Drenner Wolf.....	Clarksburg, W. Va.
James Halden Wolfe.....	Green Spring
Roger Wilson Wolfe.....	Nelsonville
Helen Louise Yates.....	Circleville
Dorothy Virginia Young.....	Seville
Dorothy Ellen Zimpfer.....	Columbus

(Two hundred and sixty-four candidates)

BACHELOR OF FINE ARTS

Regina Maxine Arnold.....	Columbus
Barbara Abigail Ball.....	Columbus
Daniel Frederick Burroughs.....	Kent
Betty Busey.....	Columbus
Arnold Cecil Cohn.....	Akron
Alvin Louis Curtiss.....	Alliance
Eugene Rexroth DeSilets.....	Galion
Annabel Jane Dunlop.....	Columbus
Richard Harris Huebner.....	Wheeling, W. Va.
Louise Lehmann.....	Columbus
Deverne Elmer Marshall.....	Columbus

* Two degrees.

Victor King Thompson.....	Columbus
Imogene Buchanan Wilson.....	Columbus
Richard LeRoy Yeager, B.A.....	Columbus

(Fourteen candidates)

COLLEGE OF ENGINEERING

Dean: EMRUBY A. HITCHCOCK

BACHELOR OF ARCHITECTURE

Mary Alma Evans.....	Columbus
Montford Earl Frash.....	Malta
Reuben Shin Hyun Lee.....	Columbus
James Paul Noble.....	Dayton
Warren Lee Smith.....	Wooster
Fred William Stritzel.....	Columbus
Marcus Daniel Walters.....	Columbus

(Seven candidates)

BACHELOR OF ARCHITECTURAL ENGINEERING

Marion Bracy Greenlee.....	Berea
Donald Wilbur McClintock.....	Columbus
Richard Edwin Prince.....	Columbus
Alfred Henry Yeomans.....	Washington, D. C.

(Four candidates)

BACHELOR OF CERAMIC ENGINEERING

Howard Gardiner Burlingame.....	Columbus
James Merritt Cayford.....	Steubenville
Carroll Cone.....	Columbus
Carl David Croskey.....	Zanesville
Baird Lynn Dorsey.....	Avalon, Pa.
Herbert Frederick Frey.....	Youngstown
Alice Josephine Gitter.....	Zanesville
Walter Corbin Knoblaugh, III.....	Wheeling, W. Va.
Robert Fullington Rea.....	Columbus
Stanford Edward Thal.....	Toledo

(Ten candidates)

BACHELOR OF CHEMICAL ENGINEERING

Walter Albert Barres.....	Lorain
Edwin John Corell.....	Blue Ash
Claude Roland Croft.....	Lima
Robert Harry Crossley.....	Sandusky
Walter Charles Croysdale.....	Youngstown
George Karl Dumbauld.....	Uhrichsville
Herbert Lester Feinberg.....	Flushing, N. Y.
Leonard Lane Fortune.....	Columbus
Olin David Graff.....	New Philadelphia
Edwin Alvin Harper.....	Columbus
Owen George Howard.....	Edgerton
Harold Dorman Kaufmann.....	Steubenville
Charles Thomas Lewis.....	Alliance
Scott Calvin Lyon.....	Columbus
Louis Edward Michael.....	Dayton
William Joseph Miles.....	Laura
Edward Eugene Slowter.....	Columbus
Robert Hosea Work.....	Logan
Fred Yenkin.....	Columbus

(Nineteen candidates)

BACHELOR OF CIVIL ENGINEERING

Ernest Milton Atherton.....	Magnetic Springs
Stanley Hubert Barnes.....	Port Clinton
Elmer Starling Barrett.....	Chillicothe
Frank Somers Baum.....	Duval
Joseph Malcolm Bowen.....	Sidney
Dorris Levern Briegel.....	Bloomville
Richard Carlton Culler.....	Loudonville
Wayne Clinton Fischer.....	Coldwater
Gordon Benner Free.....	Bainbridge
Myron Orval Jensen.....	Bellefontaine
Dan Gerald Johnson, B.S. (Kenyon College).....	Mt. Vernon
Joseph Dallas Kenty.....	Columbus
Lester Arthur Knappe.....	Cleveland
William Edward Knox.....	Columbus
Eric Tahlman Krumm.....	Columbus
Herbert Marion Leppich.....	Columbus
John Frederick Long.....	Worthington
Stephen Francis Mowrey.....	Coshocton
Charles Frederick Netzler.....	Youngstown
Alfred Emerson Newhouse.....	Ostrander
Charles Oliver Parker.....	Ashtabula
Lowell Wilson Probasco.....	Mt. Victory
Roberto Alvaro Sanchez.....	Ponce, P. R.
George Leonard Sherman.....	Canfield
Joseph Alexander Thomas.....	Columbus
Roger Everard Walker.....	Sanford, Me.
Joseph White.....	Vickery
Austin Clair Woodward.....	Kensington

(Twenty-eight candidates)

BACHELOR OF ELECTRICAL ENGINEERING

Walter Robert Ankrom.....	Belmont
Robert Bearl Beetham.....	Cadiz
James Gerald Bonnar.....	Ashtabula
Creston Franklin Boyce.....	Columbus
Walter Weber Clouse.....	Columbus
Arthur Losee Crichton.....	Wooster
Earl Edson Hartsock.....	Spring Valley
Richard Randolph Kilgore.....	Norwood
John Wilbert Kirker, Jr.....	Bethlehem, Pa.
James Leonard Lovelace.....	Middletown
Smith Ayres Martin.....	Paulding
William Sherman Miller.....	Waverly
William Millard Moore, B.A. (Olivet College).....	Columbus
Chester Jerome Muckley.....	Canton
George Vaughan Patterson.....	Cadiz
Arthur Joseph Ross.....	Delaware
John Henry Schneider.....	East Canton
Harold Peter Sherer.....	Waynesburg
Howard Arthur Shumaker.....	Galion
*Robert Warren Smith.....	Columbus
William Isaiah Truxal.....	Columbus
John Lebius Wildermuth, Jr.....	Columbus

(Twenty-two candidates)

BACHELOR OF ENGINEERING IN MINING

Max Richard Geer.....	Delta
Hubbard Harry Kumler.....	Elyria
Albert Henry Schnauffer.....	Marietta

(Three candidates)

BACHELOR OF ENGINEERING PHYSICS

Paul Kline Drake.....	Columbus
Robert Enoch Frey.....	Perry
John Leslie Gregg.....	Huntsville
Harold Theodore Mackensen.....	Columbus
Herman Newhouse.....	Columbus
Edwin M. Sherwood.....	Columbus

(Six candidates)

BACHELOR OF INDUSTRIAL ENGINEERING

Robert Ewing Allen.....	Bellefontaine
Charles Dow Bessey.....	Zanesville
Robert Charles Bilikam.....	Westerville
Gerald Francis Boyd.....	East Liverpool
Robert Eugene Briggs, Jr.....	Columbus
Ephraim Wilbur Cooper.....	Wellsville
William Clark Davidson.....	Columbus
Earl Eugene Farrington.....	Cardington
Lloyd Eldon Gillogly.....	Gratiot
Corwin Daniel Hablitzel.....	Rocky Ridge
*Lester W. Kale.....	Cleveland
Harry Corydon McCampbell.....	Marysville
John Frederick Sandfort, B.M.E.....	Columbus
Douglas Shimer Sterner, B.M.E.....	Columbus
Charles Luce Tilton.....	Ashtabula
Fred Lewis Vanosdall.....	Ashland
Frederick Wilson Wagner.....	Steubenville
Hillis Merrill Worstell.....	Bloomdale

(Eighteen candidates)

BACHELOR OF MECHANICAL ENGINEERING

Fred Adolph Billhardt.....	Cleveland
Paul Henry Breidenbach.....	Kenton
Edward William Cordell.....	Columbus
Howard Slemmons Davies.....	Columbus
Denton David Eyster.....	Edon
Roderick Aubrey Frankenberg.....	Columbus
Theodore Thomas Frankenberg, Jr.....	Columbus
Lowell Livingston Goard.....	Ashland
Henry Edwin Gorney.....	Brooklyn, N. Y.
Owen Howard Griswold.....	Columbus
Elmer Charles Hartman.....	Springfield
Walter Louis Hartman.....	Uhrichsville
Robert Hillman Herring.....	Columbus
John Vincent Hines.....	Conneaut
Arthur Joslin.....	Columbus
*Lester W. Kale.....	Cleveland
Albert Elliott Kimberly, Jr.....	Columbus
Willard Henry Krebs.....	Worthington
Kermit Theodore Kuck.....	New Knoxville
Alan Gregory Loofbourrow.....	Columbus
Charles Joseph Manney.....	Columbus
Carl Paul Meglan.....	Cleveland
Glenn Arthur Miller.....	Dover
Thomas Isador Moore.....	Columbus
Richard Eldon Peters.....	Ashville
Eino Myron Powell.....	Rochester, N. Y.
Henry Melvin Prentice.....	Massillon
Noel Leon Rose.....	Wilmington
Cecil Roy Royer.....	Coshocton

* Two degrees.

Alan Richard Schrader.....	Columbus
Hyman Benjamin Sherman.....	Cleveland
*Robert Warren Smith	Columbus
Paul Chester Taylor.....	Marion
Leroy William Tebbe.....	Sandusky
Oscar Austin Tinker.....	Columbus
James Melville Wickham.....	Cleveland
Don Semler Wolford.....	Troy

(Thirty-seven candidates)

BACHELOR OF METALLURGICAL ENGINEERING

Irwin DeVernit Carson.....	Martins Ferry
Frederick William Hoewischer.....	Botkins
Myron Alexander Hughes	Columbus
Bertrand Saunders Norris.....	Columbus

(Four candidates)

BACHELOR OF SCIENCE
IN APPLIED OPTICS

Lewis Patrick Brumm, B.A. (Ohio Wesleyan University).....	Coldwater
Stanley George Copeland.....	Columbus
Charles Ohio Dietz.....	East Palestine
John Robert Fox.....	Sibley, Ia.
Harold Edward Gabriel.....	Columbus
Frederick Allen Jennings.....	Columbus
Bronislav Michael Lazich.....	Buffalo, N. Y.
Walter Scott McCaughrin.....	Detroit, Mich.
Albert William Meals.....	Springfield
Leonard Roemer Pratsch.....	Lorain
Arthur Albert Schmidt, B.A. (Miami University).....	Cleveland
Seymour Leonard Shaw.....	Youngstown
Howard Marvin Snyder.....	Barberton
Mark Smucker Willis, A.B. (Wittenberg College).....	Elyria

(Fourteen candidates)

COLLEGE OF PHARMACY

Dean: CLAIR ALBERT DYE

BACHELOR OF SCIENCE
IN PHARMACY—WITH HONORS

Harold Henry Nason (cum laude).....	Los Angeles, Calif.
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(One candidate)

BACHELOR OF SCIENCE
IN PHARMACY

Benjamin Berkowitz	Cleveland
Warren Laibe Campbell.....	Columbus Grove
Barbee William Durham.....	Dayton
Guilford Bert Hoiston, B.A.....	Cleveland
Sam Kanter	Cleveland
William Nusbaum	Cleveland
Sanford Irwin Okum.....	Cleveland
Robert Emmett Reed.....	Orrville
Carl Bowman Sponhauer, A.B. (Hiram College).....	East Sparta

(Nine candidates)

* Two degrees.

COLLEGE OF VETERINARY MEDICINE

Dean: OSCAR V. BRUMLEY

DOCTOR OF VETERINARY MEDICINE

Charles Barnes	Amsterdam
Judson Harmon Binnig.....	Thompson
Glen Cecil Brandon.....	Piqua
Harrison William Butz	St. Bernard
Robert Wayne Day.....	Columbus
John Harold Dinkel.....	Bucyrus
William Francis Dorgan.....	Roxbury, Mass.
Sam Elmer	New Glarus, Wis.
Lloyd C. Ferguson.....	Lebanon, Ind.
John Gale	Ashtabula
Leonard Joyce Goss.....	Columbus
Ralph Porter Hartman	East Liberty
David Emanuel James.....	Cortland
Earl Forest Johnson.....	Prospect
James Allen Johnson.....	Batavia
Burnell Edison Knisely.....	Crestline
Robert Laurence Knudson.....	Columbus
Edward Mathew Lang, Jr.....	Louisville, Ky.
Vincent Walter LiRocchi, Jr.....	New Orleans, La.
*Henry Harrison Mabry.....	Medina
Anson Glenwood Madden.....	Columbus
John Micuda	Amherst
Luther Phillip Miller.....	Fremont
Charles Clifton Pearson.....	Fremont
Edward Chauncey Phipps.....	Lincoln, Neb.
Calvin Max Rodgers, B.A. (Monmouth College).....	Monmouth, Ill.
Andrew Jessie Sirilo.....	Garfield Heights
Matt Jack Skala.....	Ely, Minn.
Kenneth William Smith.....	Bellefontaine
Robert Markwood Smith.....	Sabina
Clark Alberton Weaver.....	Bellville

(Thirty-one candidates)

PROFESSIONAL CERTIFICATES

COLLEGE OF MEDICINE

Acting Dean: VERNE ADAMS DODD

CERTIFICATE OF GRADUATE NURSE

Mary Louise Merrick.....	Columbus
*Esther Eleanor Snell.....	Greenville
*Frances Elizabeth Ward.....	Columbus

(Three candidates)

* Two degrees.

COLLEGE OF VETERINARY MEDICINE DEPT. OF VETERINARY MEDICINE

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